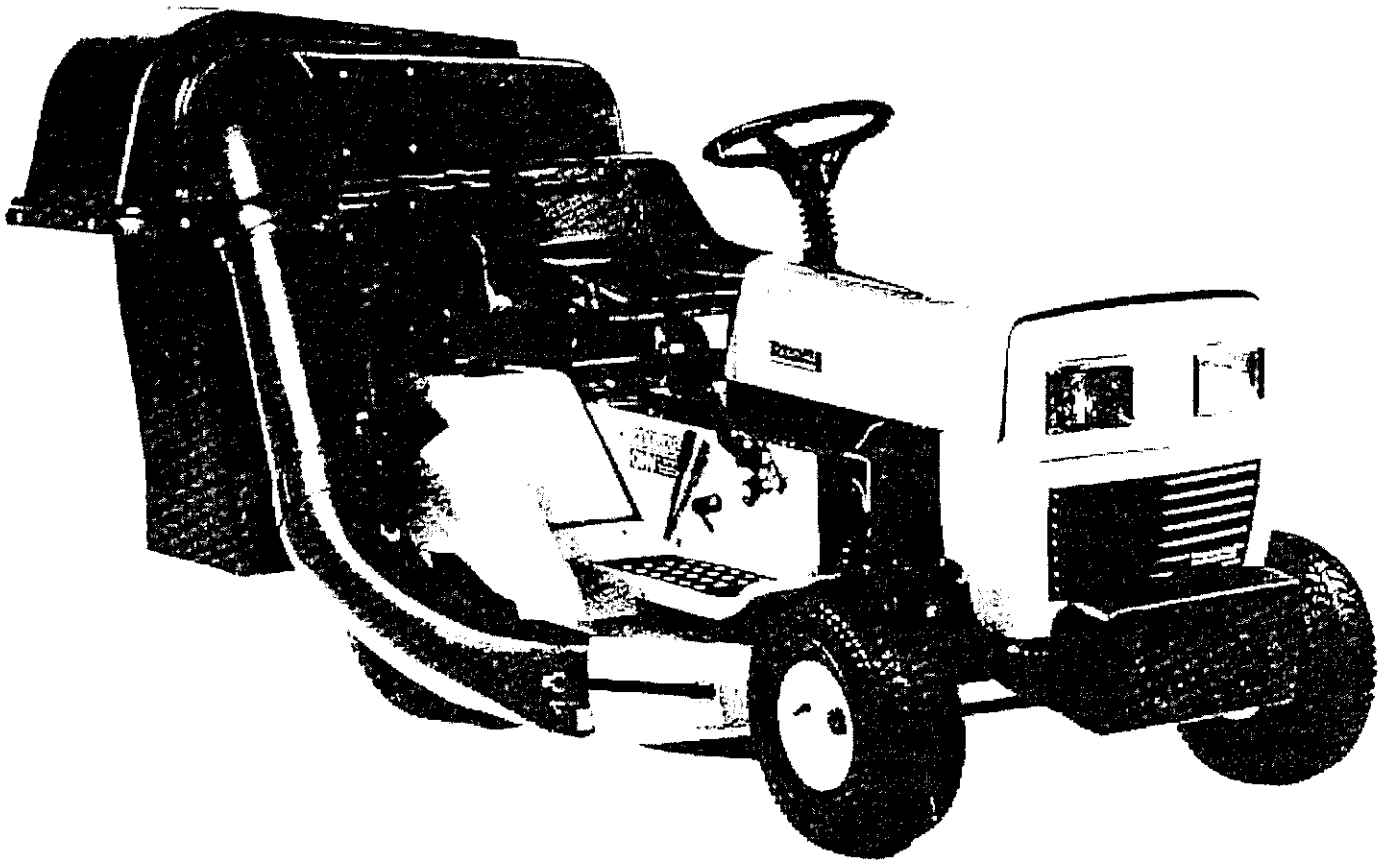


12 H.P. 38" Lawn Tractors

Operating Manual

Model Nos. TMO-33925A
TMO-33929A



(Model TMO-33925A Shown With Optional Bagging Kit)

Montgomery Ward



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Dear Customer,

So often throughout the year we are all in a rush to meet our daily obligations.

However, we at Montgomery Ward are taking a quick moment out to say . . .

"Thank you for your business."

Sincerely,
MONTGOMERY WARD



INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE TO FOLLOW THEM.

NOTICE: A data plate with the model number and serial numbers of your unit is located on the frame, under the seat. Record these numbers in the spaces provided on the back cover of this guide.

BEFORE YOU CALL SERVICE

Check Spark Plug Wire

- Firmly attached?
- Wire terminal clean?

Check Crankcase Oil Level

- Overfilled/underfilled?

Check Fuel Tank

- Fuel in tank?
- Fuel dirty or stale?
- If tank has been empty for a long period, fill tank completely.

Check Air Cleaner

- Clean?
- Choke plate stuck?
- Governor spring free to move?

Check Under Blade Housing (**Disconnect Spark Plug First**)

- Blade obstructed or bent?

Check Starting Instructions

- Read instruction manuals and labels for specific instructions.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

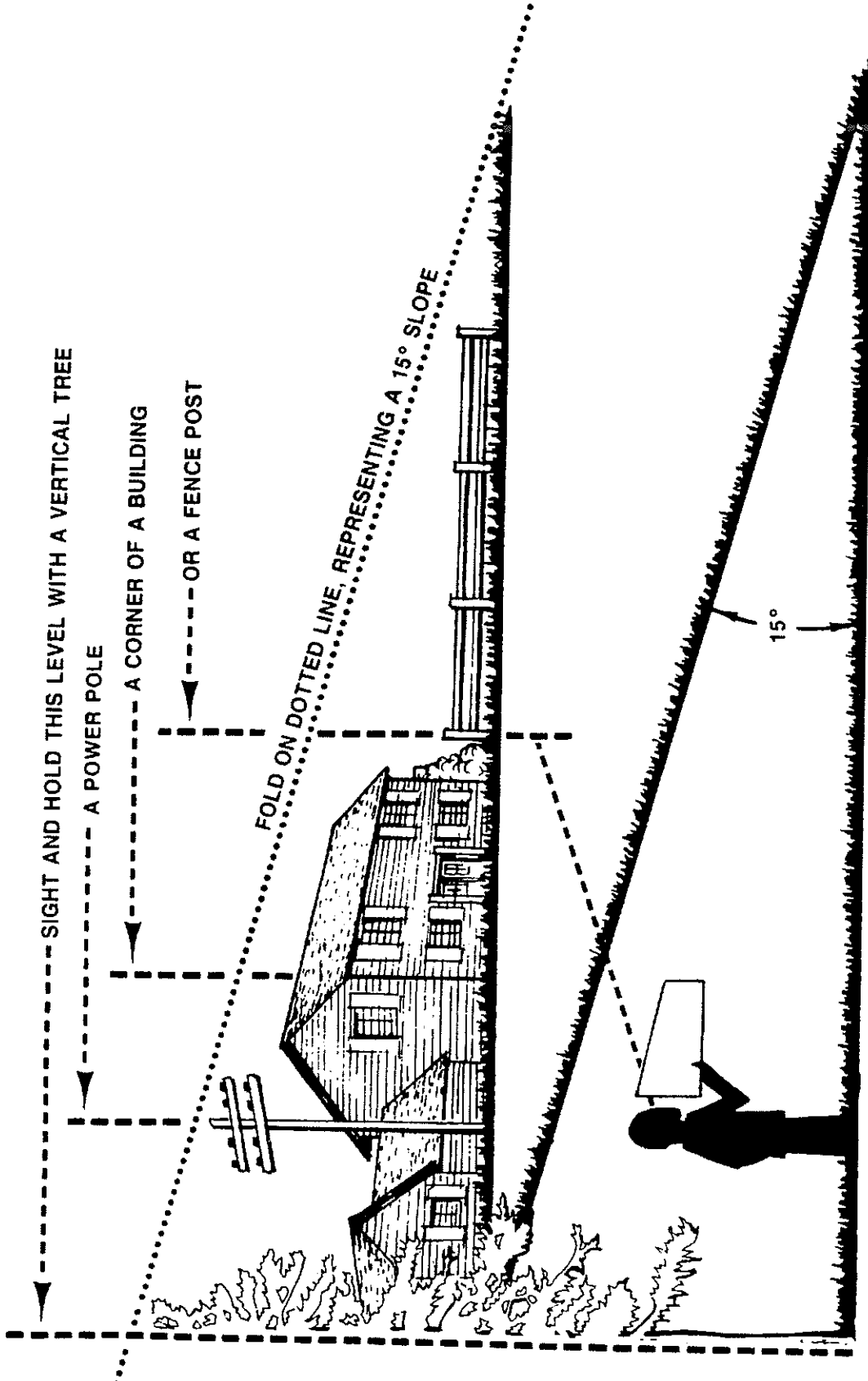
In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service center.

SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)

---Cut Along This Line---

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

Operate RIDING mowers up and down slopes, never across the face of slopes.

Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

CONTENTS OF HARDWARE PACK

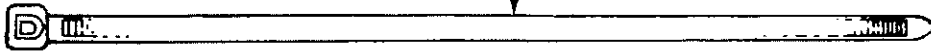
Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

(Hardware pack may contain extra items which are not used on your unit.)

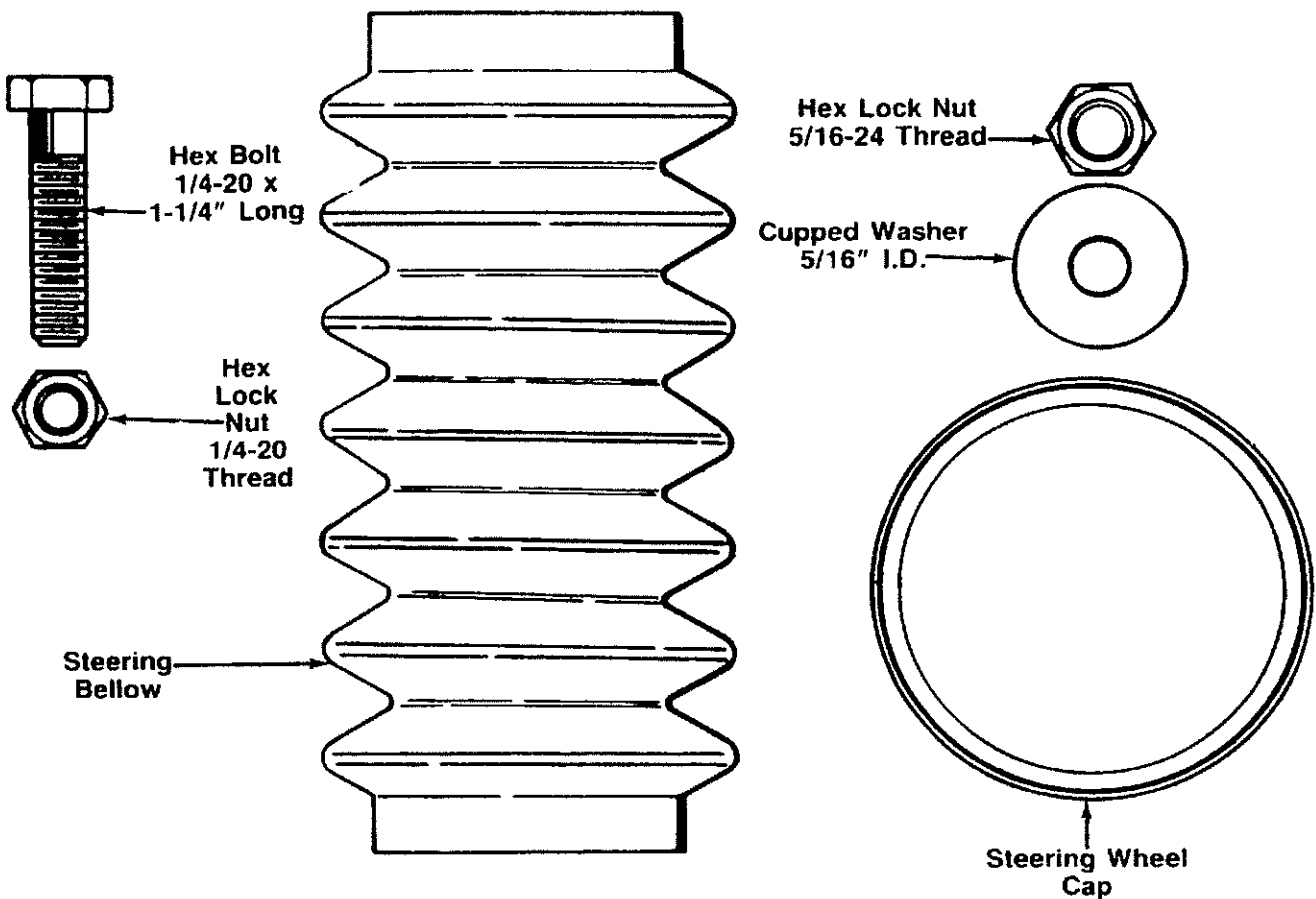
A INSTALLING THE BATTERY

Cable Tie

(Battery Box is Not Shown)



B ATTACHING THE STEERING WHEEL



Hex Bolt
1/4-20 x
1-1/4" Long

Hex Lock Nut
1/4-20
Thread

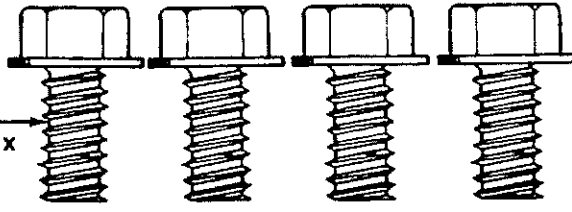
Steering Bellow

Hex Lock Nut
5/16-24 Thread

Cupped Washer
5/16" I.D.

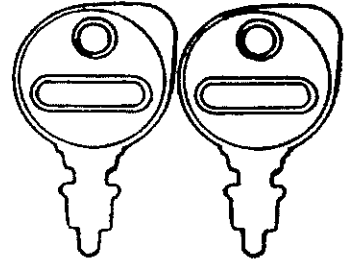
Steering Wheel Cap

C ATTACHING THE SEAT



Self-Tapping
Screws 3/8-16 x
3/4" Long

D IGNITION KEYS




(May Be Attached to Tractor)



IMPORTANT

RULES FOR SAFE OPERATION



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR UNIT. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL—  HEED ITS WARNING.




ANGER

Your unit was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.

1. READ THIS OWNER'S MANUAL carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop the machine quickly.
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
6. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
7. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
8. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
9. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidentally thrown by the mower in any direction and cause injury to you or a bystander.
10. Stop the blade(s) when crossing gravel drives, walks or roads.
11. Disengage all attachment clutches and shift into neutral before attempting to start engine.
12. Disengage power to attachment(s) and stop engine before leaving operating position.
13. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
14. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
15. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
16. Disengage power to attachment(s) when transporting or not in use.
17. Take all possible precautions when leaving vehicle unattended such as disengaging power take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
18. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.
19. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
20. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
21. Stay alert for holes in terrain and other hidden hazards which may cause the unit to tip over.
22. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
 - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
23. Watch out for traffic when crossing or near roadways.
24. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
25. Handle gasoline with care. It is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.

Rules for Safe Operation (continued)

26. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
27. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
28. Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
29. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
30. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
31. Do not change the engine governor settings or overspeed the engine.
32. When using the vehicle with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
 - (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
33. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
34. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
35. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

 **IMPORTANT:** This unit is shipped **WITHOUT GASOLINE or OIL**; however, a small amount of oil may be present from the factory. Do not overfill. After assembly, service engine with gasoline and oil as instructed in the separate engine manual packed with your unit.

 **NOTE:** Reference to right or left hand side of the unit is observed from the driver's seat, facing forward.

ASSEMBLY

This owner's manual covers two models of lawn tractors. The unit illustrated may vary slightly from your unit. Follow the instructions which pertain to your unit.

UNPACKING

1. Remove the lawn tractor from the carton as follows. Open the top flaps. Remove all loose parts and carton inserts. Cut the front corners of the carton. Make certain brake is released, and push the unit out of the carton.
2. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

BATTERY INFORMATION



- A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*
 - B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.
 - C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.
 - D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.
 - E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.
 - F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.
 - G. As a further precaution, only charge the battery in a well-ventilated area.
- * Always shield eyes, protect skin and clothing when working near batteries.

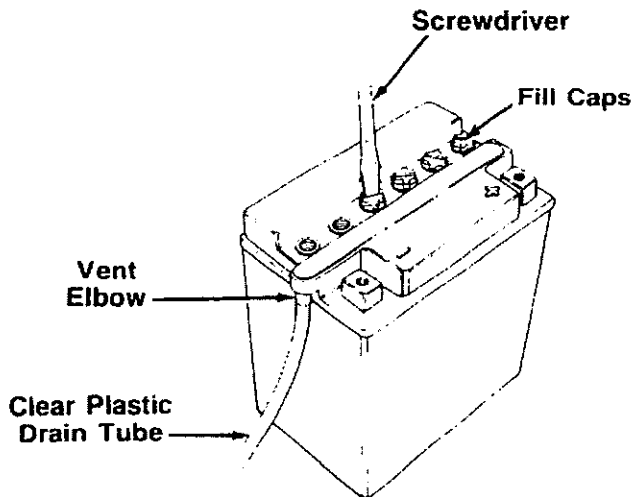


FIGURE 1.

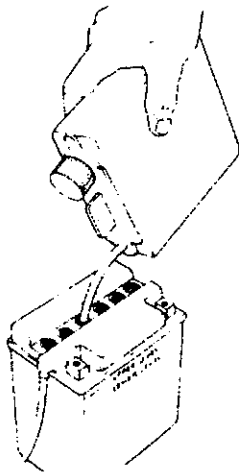


FIGURE 2.



Battery contains sulfuric acid. Refer to warning on page 6. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Call physician immediately. EYES: Flush with cool water for at least 15 minutes, then get prompt medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas. Make certain venting path of battery (drain tube) is always open.

**KEEP BATTERIES
OUT OF THE REACH OF CHILDREN!**

ACTIVATING THE BATTERY

Do not activate battery (fill with battery acid) until battery is actually placed in service. Be certain to read previous warnings before activating the battery.

1. Open the battery pack. Be careful not to puncture the box. It contains the battery with a long plastic tube attached, battery fluid (acid) in a plastic container, one short plastic tube and one hardware pack (two hex bolts and nuts).
2. Place the battery on a table or workbench. Make certain the long plastic drain tube is in place on the vent elbow.
3. Remove the six fill caps from the top of the battery with a screwdriver. Be careful not to damage the fill caps. See figure 1.
4. Place the battery fluid container on the table or workbench. Carefully cut off tip of the spout and attach the short plastic tube provided. Do not squeeze the container when cutting tip.
5. Fill each battery cell slowly and carefully to the UPPER LEVEL line marked on battery. See figure 2. Use caution as the acid level will rise rapidly after the bottom of the cell is filled.
6. Allow battery to stand for 30 minutes with the fill caps removed, while the plates absorb acid.
7. If acid level has fallen after the 30 minute standing period, refill each cell with battery acid to the UPPER LEVEL line on battery. Replace the fill caps.
8. Before discarding the empty container, neutralize any residue with baking soda and rinse container with water. Puncture container several times before discarding.
9. Charge the battery after the 30 minute standing period. SLOW CHARGE THE BATTERY (DO NOT FAST CHARGE) at a maximum bench rate of 1.4 amperes until the specific gravity reading is 1.260-1.280. Charge for a minimum of 2 hours and a maximum of 8 hours.

NOTE

Charging rate after battery has been put into operation: The battery is to be charged for a period of 14-16 hours. NO LONGER THAN 30 HOURS.

After battery has been charged, add only distilled water. Do not add acid.

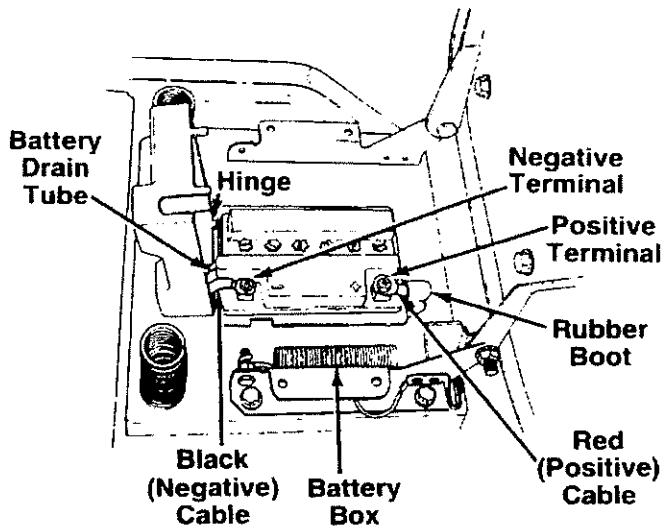


FIGURE 3.

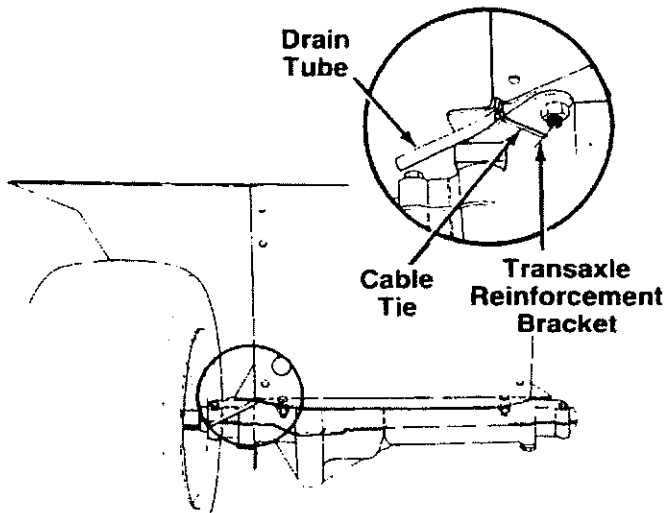


FIGURE 4.

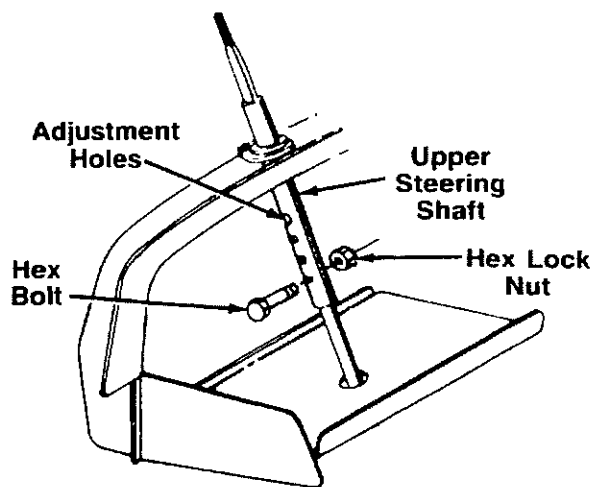


FIGURE 5.

NOTE

This engine is equipped with an alternator. The current for the battery charger alternator is unregulated. During normal operation, it is only necessary to charge the battery:

1. When it is activated for the first time.
2. Before winter storage.
3. Before using the lawn tractor after winter storage.

INSTALLING THE BATTERY (Hardware A)

1. Raise the seat bracket (on top of the fenders). Push any electrical wires out of the way so they are not disconnected when installing the battery box. Place the plastic battery box into the opening beneath the seat bracket. The hinge on the battery box goes toward the rear of the unit. Snap the battery box in place so the retaining edges on the box are beneath the fender. Make certain the battery cables are routed up along each side of the box. See figure 3.
2. Place the battery inside the battery box so that the positive terminal is toward the right side of the unit. See figure 3. Route the battery drain tube down beside the battery box.
3. Slide the hex nut (provided with battery hardware) into the positive (+) terminal. Place the positive (heavy red wire) cable on the positive terminal. Secure with bolt provided. See figure 3. Slide the rubber boot over the positive terminal.
4. Slide the hex nut (provided with battery hardware) into the negative (-) terminal. Place the negative (heavy black wire) cable on the negative terminal. Secure with bolt provided.
5. Secure the battery drain tube to the transaxle support bracket, using the cable tie as shown in figure 4. Be certain drain tube is routed away from the wheel rim. Trim excess end of cable tie.
6. Close the top of the battery box and lower the seat.

ATTACHING THE STEERING WHEEL (Hardware B)

1. Open the hood of the lawn tractor by lifting up on both sides of the hood.
2. Insert large end of the upper steering shaft through the hole in the dash panel, over the lower steering shaft. See figure 5. The four holes in the upper steering shaft provide four steering wheel heights. Select desired hole, and secure with hex bolt and hex lock nut.

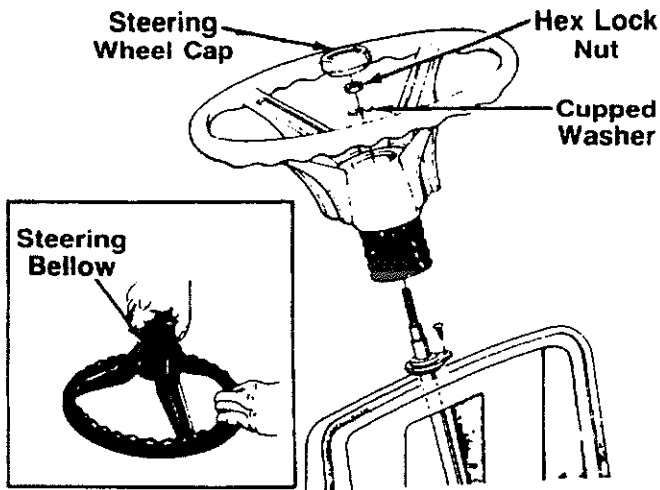


FIGURE 6.

3. Attach one end of steering bellow to the steering wheel as shown in figure 6, inset.
4. Position the front wheels of the tractor so they are pointing straight forward.
5. Place the steering wheel and steering bellow over the steering shaft, positioning steering wheel as desired.
6. Place the washer with the cupped side down over the steering shaft. Secure with 5/16" hex lock nut. See figure 6.
7. Place the steering wheel cap over the center of the steering wheel and seat it with your hand.

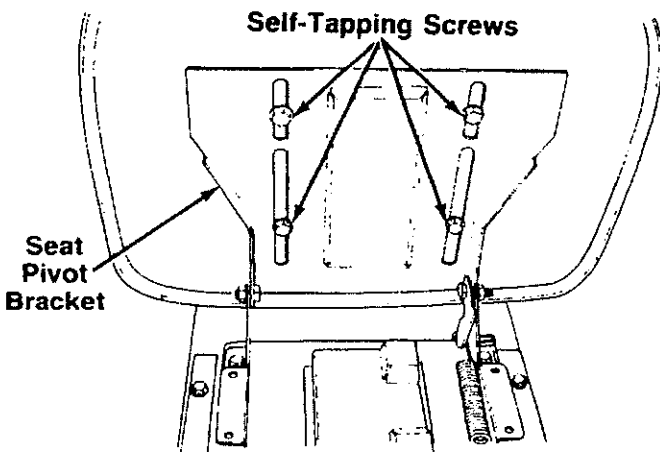


FIGURE 7.

ATTACHING THE SEAT (Hardware C)

Place the seat in position against the seat pivot bracket, lining up the slotted holes in the pivot bracket with the holes in the seat. Select desired position for the seat, and secure with hex self-tapping screws. See figure 7.

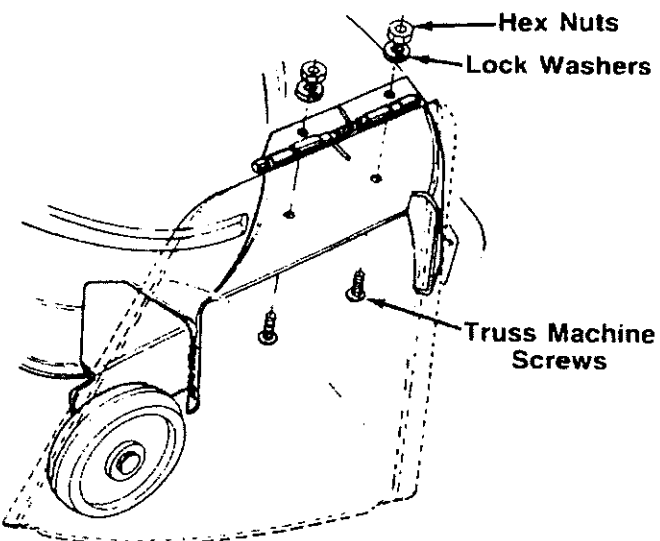


FIGURE 8.

ATTACHING THE CHUTE DEFLECTOR (If Unassembled)

If the chute deflector has not been assembled on your unit, remove the truss machine screws, lock washers and hex jam nuts which are attached to the deck next to the chute opening.

Place the chute deflector in position as shown in figure 8. Secure with hardware just removed.



Do not operate your unit unless the chute deflector has been properly installed.

CONTROLS

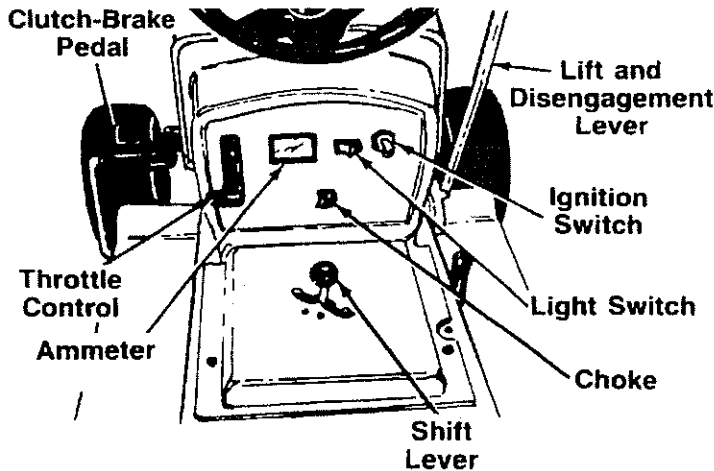


FIGURE 9.

THROTTLE CONTROL

The throttle control is used to regulate the engine speed. To get maximum efficiency from cutting, the throttle should be in the FAST position when operating the mower. See figure 9.

CHOKE CONTROL

The choke control is located on the dashboard and is operated manually. Details for the choke operation are covered in the separate engine manual packed with your unit. See figure 9.

SHIFT LEVER

The shift lever is located in the center of the console and has three positions, FORWARD, NEUTRAL and REVERSE. See figure 9. The clutch-brake pedal must be depressed and the lawn tractor must not be moving when shifting gears. Do not force the shift lever. Release the clutch-brake pedal slightly to line up the shifting collar in the transmission. Then try to shift gears.

SPEED CONTROL LEVER

The speed control lever allows you to regulate the ground speed of the lawn tractor. See figure 10. To select the ground speed, depress clutch pedal. Push speed control lever outward and move backward to slow lawn tractor, move forward to increase speed. When desired speed has been obtained, release lever in that position. Whenever clutch is engaged, unit will automatically go to the pre-set speed.

IGNITION SWITCH

Turn the key to the START position to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting. See figure 9.

LIGHT SWITCH

Push the light switch to turn on the lights. The lights will only operate when the engine is running. See figure 9.

AMMETER

The ammeter registers the rate of battery charge or discharge. The ammeter will register on the discharging side when starting the engine. It should register on the opposite side (charging) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling, the ammeter will not show a charge. See figure 9.

CLUTCH-BRAKE PEDAL

The clutch-brake pedal is located on the left side of the lawn tractor. Depressing the clutch-brake pedal part way disengages the clutch. Pressing the pedal all the way down disengages the clutch and engages the disc brake. See figure 9.



The clutch-brake pedal must be depressed to start the engine.

PARKING BRAKE

The speed control lever is used to set the parking brake. To set the parking brake, depress the clutch-brake pedal. Press the speed control lever outward and all the way to the rear of the unit. Release the speed control lever and the clutch-brake pedal.

To release the parking brake, depress the clutch-brake pedal, press the speed control lever outward and move to desired position. Release the speed control lever and the clutch-brake pedal.

INCLINE ASSISTANCE BRAKE

When stopping on a hill, hold the incline assistance brake lever back while you release the clutch-brake pedal until the lawn tractor begins to move, then release the lever. This lever permits smoother starts and clutch engagement by holding the tractor during the brake release/clutch engagement operation. See figure 10.

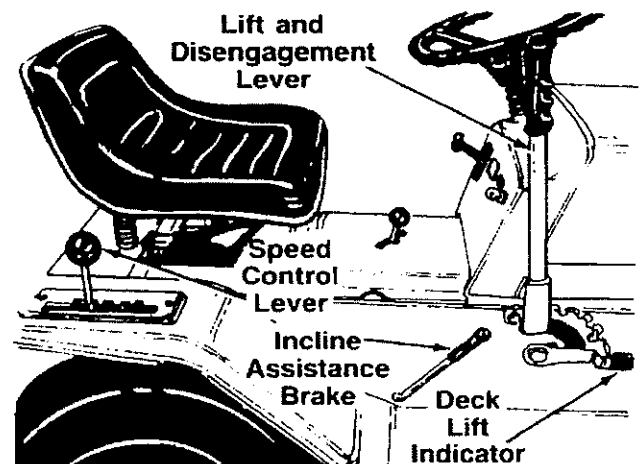


FIGURE 10.

INTERLOCKS (Not Shown)

Interlock safety switches are located on the clutch-brake pedal, the lift and disengagement lever, the gear shift lever and under the seat.

Before the engine will start, the clutch-brake pedal must be depressed all the way and the lift and disengagement lever must be in the disengaged position.

Before the unit can be shifted into reverse or if the operator leaves the seat, the lift and disengagement lever must be in the disengaged position.

CUTTING CONTROLS

A. LIFT AND DISENGAGEMENT LEVER

The lift and disengagement lever is used to raise and lower the cutting deck. Pulling it all the way back and locking it disengages the blades. The lift and disengagement lever **must** be in the disengaged position when starting the engine, when shifting into reverse or if the operator leaves the seat. See figure 10.

B. DECK LIFT INDICATOR

The deck lift indicator marks the position being used for the lift lever. Select the lift lever position desired, press the indicator lever outward, move it to the position immediately below the lift lever and release the indicator lever. See figure 10.

C. DECK WHEEL HEIGHT ADJUSTMENT

Move the deck wheel to the desired hole location in the deck.

D. SETTING THE CUTTING HEIGHT

1. Select the position for the lift lever which gives the desired cutting height. Move the deck lift indicator so that the lift lever can be returned to the same position after it is raised.
2. Set the deck wheels so that the wheels are $\frac{1}{2}$ inch above the ground.

OPERATION

CAUTION

- READ OPERATOR'S MANUAL(S) • NEVER CARRY CHILDREN
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS
- KEEP SAFETY DEVICES (GUARDS, SHIELDS AND SWITCHES) IN PLACE AND WORKING
- REMOVE OBJECTS THAT COULD BE THROWN BY BLADE(S)
- DO NOT OPERATE THE UNIT WHEN CHILDREN AND OTHERS ARE AROUND
- ALWAYS LOOK BEHIND THE UNIT BEFORE BACKING UP
- DO NOT OPERATE THE UNIT WHERE IT COULD SLIP OR TIP
- IF THE UNIT STOPS GOING UPHILL, STOP BLADE(S) AND BACK SLOWLY DOWNHILL
- BE SURE BLADE(S) AND ENGINE ARE STOPPED BEFORE PLACING HANDS OR FEET NEAR BLADE(S)
- BEFORE LEAVING OPERATOR'S POSITION, SHUT ENGINE OFF AND REMOVE KEY

TIRE PRESSURE

For shipping purposes, the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Recommended operating tire pressure should be 10 p.s.i.

Check sidewall of tire for manufacturer's maximum tire pressure. If this information does not appear on your tire, maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

STARTING THE ENGINE

NOTE

To open the hood, simply lift up on both sides of the hood.

1. Service the engine with oil and gasoline as described in the engine manual.
2. Depress the clutch-brake pedal and set the parking brake.
3. Place the lift and disengagement lever in the DISENGAGED position. See figure 10.

NOTE

This unit is equipped with a **safety interlock system** for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the clutch-brake pedal is depressed and the lift and disengagement lever is in the disengaged position. In addition, the lift and disengagement lever must be in the disengaged position when the unit is put into reverse or the engine will shut off. If the operator leaves the seat with the lift and disengagement lever engaged, the engine will shut off.



WARNING

Do not operate the lawn tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

4. Set the throttle control in the FAST position. See figure 9.
5. Pull out choke knob to choke engine.

NOTE

A warm engine may not require choking.

6. Turn the ignition key to the START position. When the engine is running, let the key return to the ON position. See figure 9.
7. Push choke knob in gradually. Move the throttle control to desired engine speed.

STOPPING THE ENGINE

Turn the ignition key to the left to the OFF position. Remove the key to prevent accidental starting.

➡ NOTE

A brief break-in period is essential to ensure maximum engine and mower life. The break-in consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 5 hours of operation.

Be sure that the lawn is clear of stones, sticks, wire, or other objects which could damage lawn tractor or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

➡ IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the unit for any damage, and repair the damage before restarting and operating the mower.

➡ NOTE

If any problems are encountered, refer to the Trouble Shooting Chart on page 21.

OPERATING THE LAWN TRACTOR

1. Set the desired cutting height.
2. Start the engine as instructed on page 11.
3. Move throttle control to $\frac{3}{4}$ or full throttle to prevent strain on the engine and to operate the cutting blades.
4. Place the shift lever in either the FORWARD or REVERSE position.



CAUTION

Look to the rear before backing up.

5. Release the parking brake by depressing the clutch-brake pedal, pressing outward on the speed control lever and moving to desired position.

➡ NOTE

Use first speed position when operating the lawn tractor for the first time.

6. Release clutch-brake pedal slowly to put unit into motion.
7. The lawn tractor is brought to a stop by depressing the clutch-brake pedal.

➡ NOTE

When operating the unit initially, there will be little difference between the highest two speeds until after the belts have seated themselves into the pulleys during the break-in period.



CAUTION

If the unit is not to be used for a long period, place the gear shift lever in NEUTRAL, stop the engine, set the parking brake and remove the key. DO NOT leave the machine on an incline.

If unit stalls with speed control in high speed, or if unit will not operate with speed control lever in a low speed position, proceed as follows.

1. Place shift lever in NEUTRAL.
2. Restart engine.
3. Place speed control lever in high speed position.
4. Release clutch-brake pedal fully.
5. Depress clutch-brake pedal.
6. Place speed control lever in desired position.
7. Place shift lever in either FORWARD or REVERSE, and follow normal operating procedures.

OPERATING THE CUTTING BLADES

The cutting blades may be engaged while the lawn tractor is moving or standing still. DO NOT engage the cutting blades abruptly as the sudden belt tension on the pulley may cause the engine to stall.



WARNING

When the blade drive is engaged, keep feet and hands away from the discharge opening, the blades or any part of the deck.

Move the lift and disengagement lever into the DISENGAGED position to raise the deck and disengage the blades.

NOTE

When the machine is used for other than mowing operations, the blade drive should be disengaged.

GRASS COLLECTOR Stock Number 89-35108R is available as optional equipment for the lawn tractors shown in this manual.



The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag.

ADJUSTMENTS

SEAT ADJUSTMENT

The seat may be adjusted to different positions. Refer to seat installation section of assembly instructions.

STEERING WHEEL ADJUSTMENT

There are four height positions for the steering wheel. To adjust the height of the steering wheel, remove the hex bolt and hex lock nut on the steering shaft. Place the steering wheel in the position desired and secure with hex bolt and hex lock nut. Refer to figure 5.

NOTE

When raising the height of the steering wheel, stretch the steering bellow to cover the steering shaft.

DECK LEVELING ADJUSTMENT

If an uneven cut is obtained, the deck may be leveled as follows.

1. Remove the transmission cover:
 - a. Place the gear shift lever in the neutral position. Unscrew the gear shift knob.
 - b. Remove the two truss head screws which secure the transmission cover.

- c. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover, and remove cover.

2. Using a 1/2" wrench, loosen the jam nut. See figure 11.
3. With unit on hard, level surface, measure the distance from the bottom edge of the center of the left side of deck to the ground. Measure the same distance on the center of the right side of the deck (just behind the chute area on side discharge units). Or, place the blades in a straight line, and measure the distance from the outside edge of the blade tips to the ground.
4. Adjust the deck as follows: To lower the left side of the deck, tighten the adjusting screw. To raise the left side of the deck, back the adjusting screw off several turns. Remeasure the deck as described in step 3, and readjust if necessary. Tighten the jam nut to secure the adjusting screw when the deck is level.
5. Replace the transmission cover, following the instructions in step 1 in reverse order. Be certain to reconnect the safety wire.

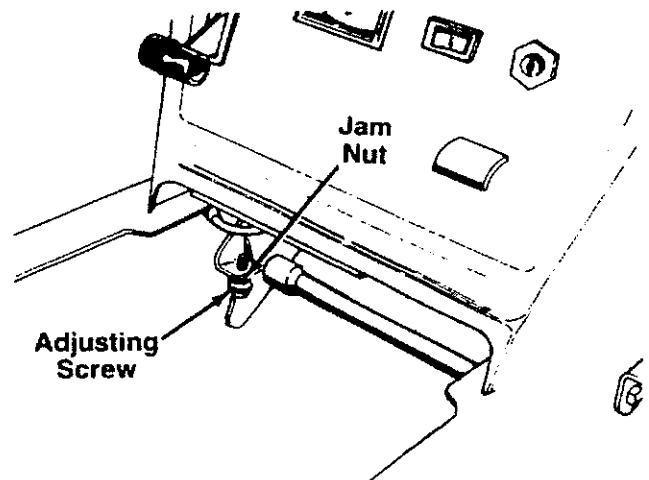


FIGURE 11.

SPEED CONTROL ADJUSTMENT (See figure 12)

NOTE

When operating the unit initially or after replacing the belts, there will be little difference between the highest two speeds until after the belts have gone through a break-in period and have seated themselves into the pulleys.

First, adjust the speed control lever by pushing the clutch-brake pedal forward until the stop on the speed control rod is against the running board rod. See figure 12. Have another person hold the pedal in this posi-

tion as you make the following adjustment. Place the speed control lever in parking brake position. Remove the hairpin cotter and flat washer, and adjust the ferrule on the rod so it is against the back end of the slot. See figure 12. Replace the flat washer and hairpin cotter.

Next, adjust the speed control link as follows to obtain the correct neutral adjustment.

1. Start the engine.
2. Place the shift lever in Neutral position.
3. Place the speed control lever in high speed position.
4. Release the clutch-brake pedal completely, then slowly depress the pedal all the way (to park position). Hold the pedal in this position.
5. Turn the engine off.
6. After engine stops completely, release the clutch-brake pedal.
7. Position speed control lever as follows.
 - A. 7-speed units—Place speed control lever in second position.
 - B. 6-speed units—Place speed control lever between first and second position (hold in this position).

C. 4 and 5-speed units—Place speed control lever in first position.

8. Remove the cotter pin and flat washer which secures the speed control link to the variable speed torque bracket assembly.
9. Push the clutch-brake pedal backward by hand as far as it will go using light pressure. Hold it in this position as you thread the speed control link in or out of the ferrule until it lines up with the pin on the variable speed torque bracket assembly.
10. Secure speed control link to variable speed torque bracket assembly with flat washer and cotter pin.

NEUTRAL ADJUSTMENT

1. Place the transmission in neutral. (The unit will move freely when pushed forward and backward with the parking brake released.)
2. Loosen the bolt which secures the shift lever assembly to the shift lever link. See figure 13.
3. Place the shift lever in the neutral slot. See figure 13.
4. Tighten the bolt to 13 foot pounds.

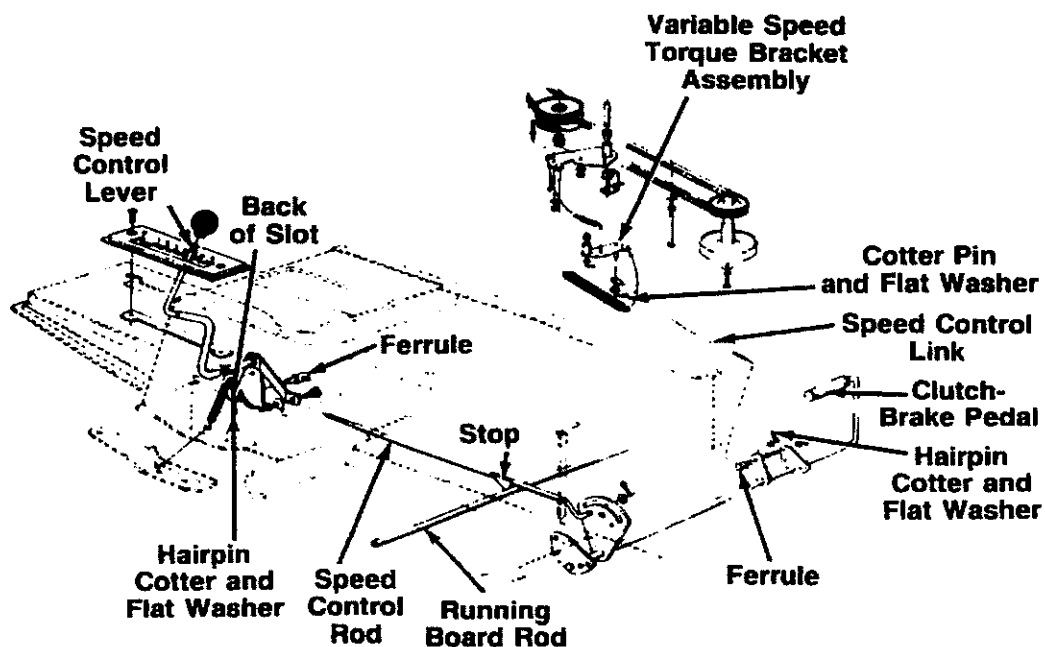


FIGURE 12.

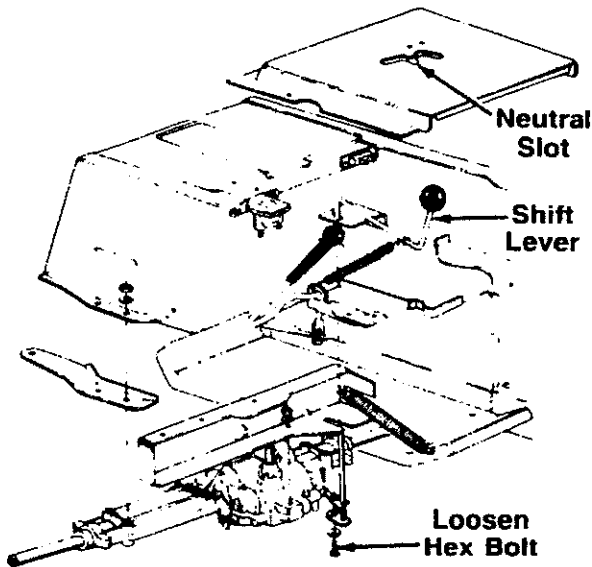


FIGURE 13.

WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in, follow these steps.

1. Remove the hex nut and lock washer, and drop the tie rod end from the wheel bracket. See figure 14.
2. Loosen the hex jam nut on tie rod.
3. Adjust the tie rod assembly for correct toe-in.

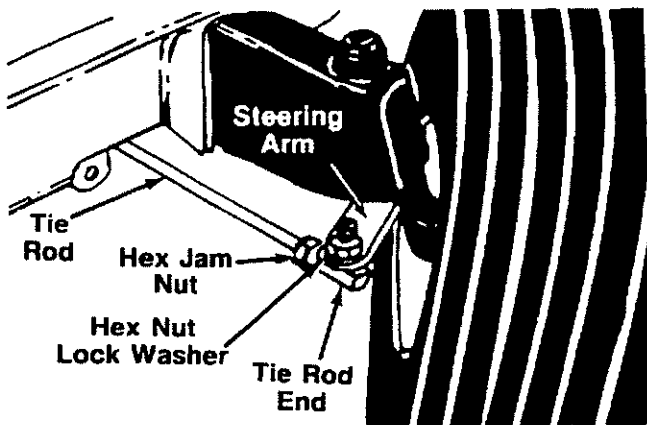


FIGURE 14.

Dimension "B" should be approximately 1/8" less than Dimension "A." See figure 15.

- A.) To increase Dimension "B," screw tie rod into tie rod end.
- B.) To decrease Dimension "B," unscrew tie rod from tie rod end.

C.) Reassemble tie rod. Check dimensions. Readjust if necessary.

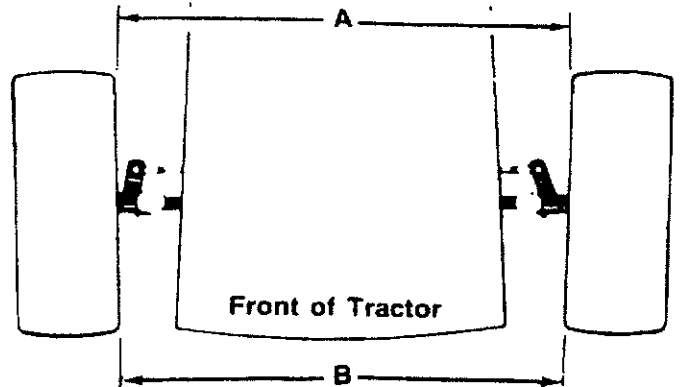


FIGURE 15. TOE-IN DIAGRAM

CARBURETOR ADJUSTMENT



If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load. To adjust the carburetor, refer to the separate engine manual packed with your unit.



A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor. Refer to the separate engine manual.

BRAKE ADJUSTMENT (See figure 16)

The brake is located by the right rear wheel inside the frame. During normal operation of this machine, the brake is subject to wear and will require periodic examination and adjustment.



Do not have the engine running when you adjust the brake.

To adjust the brake, remove the cotter pin. Adjust the castle nut so the brake starts to engage when the brake lever is 1/4" to 5/16" away from the axle housing.

NOTE

Figure 16 is shown with the unit tipped up on rear wheels for clarity only.

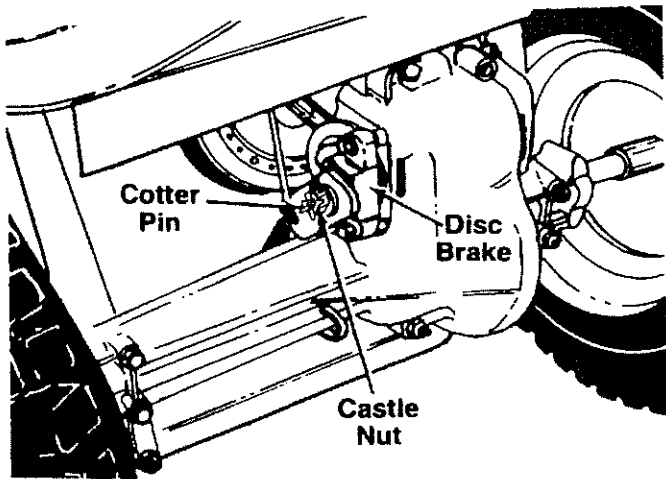


FIGURE 16.

LUBRICATION



Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn tractor.

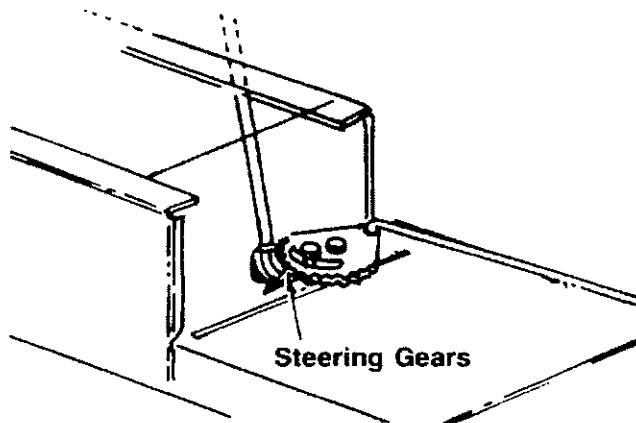


FIGURE 17.

STEERING GEARS

Lubricate teeth of steering gears with automotive multi-purpose grease after every 25 hours of operation or once a season. See figure 17.

STEERING SHAFT

Lubricate steering shaft at least once a season with light oil.

TRANSAXLE

The transaxle is lubricated and sealed at the factory and does not require checking. If disassembled for any reason, lubricate with 10 oz. of grease, part number 737-0148.

FRONT WHEELS

The front wheels are provided with grease fittings. Lubricate at least once a season with automotive multi-purpose grease.

PIVOT POINTS

Lubricate all pivot points with light oil at least once a season.

MAINTENANCE



Disconnect the spark plug wire and ground against the engine before performing any repairs or maintenance.

TROUBLE SHOOTING

Refer to page 21 of this manual for trouble shooting information.

CRANKCASE OIL

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil level should be maintained as instructed in the separate engine manual.

After the first five hours of operating a new engine, drain the oil from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. Refer to the engine manual.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. To service the air cleaner, refer to the separate engine manual packed with your unit.

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specification.

CUTTING BLADE

A. Removal for Sharpening or Replacement



WARNING

Be sure to disconnect and ground the spark plug wire and remove ignition key before working on the cutting blade to prevent accidental engine starting. Protect hands by using heavy gloves or a rag to grasp the cutting blades.

Remove the large bolt and lock washer which holds the blade and adapter to the blade spindle. Remove the blade and adapter from the spindle.

If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

NOTE

It is recommended that the blade always be removed from the adapter for the best test of balance.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.

5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

FUEL FILTER

Your unit is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your engine authorized service dealer.

DRIVE BELT REMOVAL AND REPLACEMENT



WARNING

Disconnect the spark plug wire and ground it against the engine. Block the wheels of the unit.

NOTE

Figures 18 and 22 through 25 are shown with the unit tipped up for clarity. It is not necessary to tip the unit to remove the belts.

However, if tipping the unit is desired, remove the battery from the unit. To prevent gasoline leakage, drain the gasoline, or remove the fuel tank cap, place a thin piece of plastic over the neck of the fuel tank and screw on the cap. Be certain to remove the plastic when finished changing the belts. Block unit securely.

Deck Belt

1. Place the lift lever in the disengaged position.
2. Remove the three hex bolts (belt keepers) from the engine pulley belt guard. See figure 18.

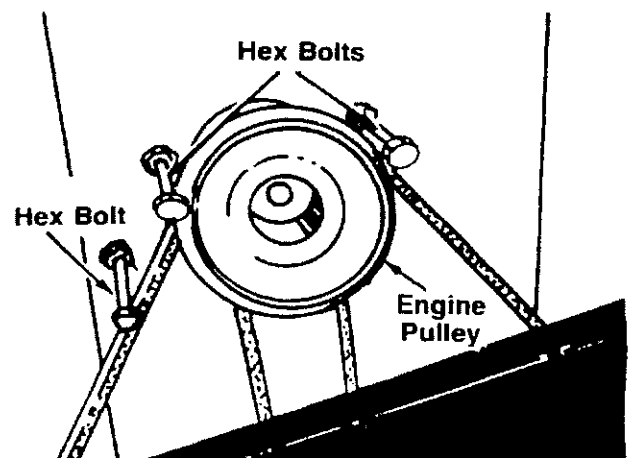


FIGURE 18.

NOTE

Make certain hex bolts are reassembled as shown in figure 18.

3. Unhook the deck belt from the engine pulley.
4. Place the lift lever in the engaged (all the way forward) position.
5. Disconnect the six deck links by removing the hair-pin cotters and flat washers.
6. Place the lift lever in the disengaged position.
7. Slide the deck from beneath the lawn tractor.
8. Remove the belt guards at each deck pulley by removing the hex bolts, lock washers and hex nuts. See figure 19.
9. Remove and replace the belt, following the instructions in reverse order.

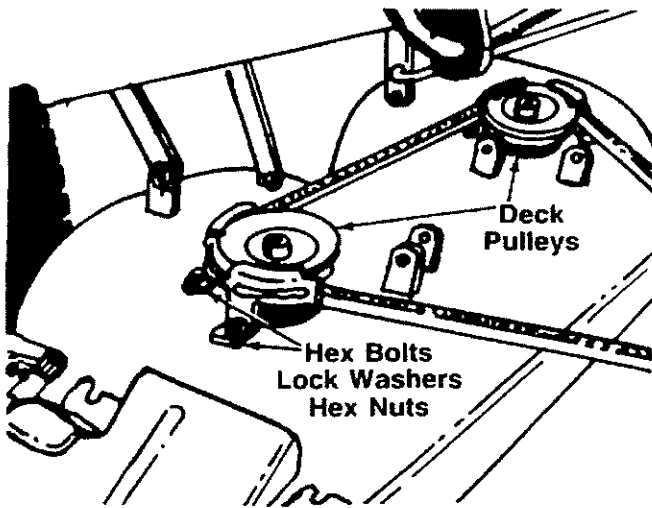


FIGURE 19.
Rear Drive Belt

1. Remove the two truss head screws which secure the transmission cover. See figure 20A.
2. Lift the transmission cover. Unplug the safety wire from beneath the transmission cover. See figure 20B. Remove transmission cover.

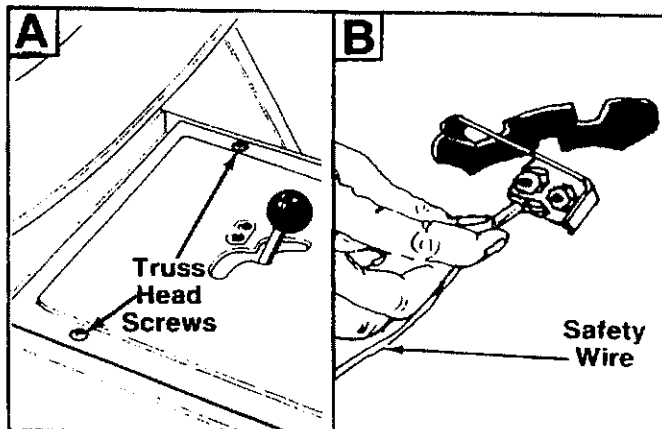


FIGURE 20.

3. Push the idler pulley toward the right side of the unit. Lift the belt over the idler pulley. See figure 21.
4. Remove the belt from the variable speed pulley.
5. Remove the two bolts which hold the shift lever bracket to the frame on the left side of the unit. Swing the bracket toward the right so the belt can be removed from the transmission pulley. See figure 21.
6. Replace belt, and reassemble in reverse order.

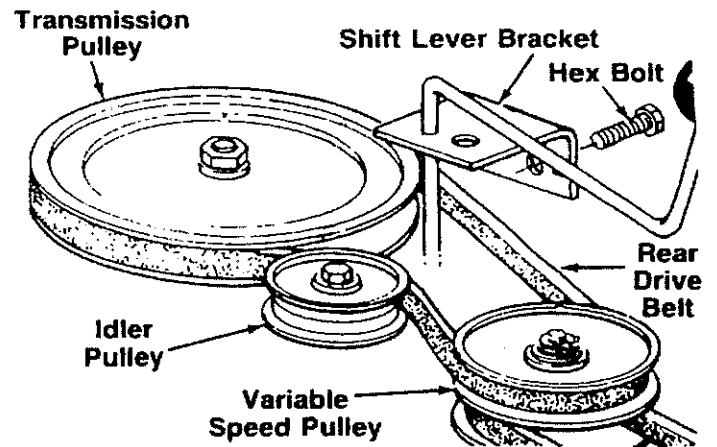


FIGURE 21.

Front Drive Belt

1. To remove the front drive belt, first remove the rear drive belt from the idler pulley and variable speed pulley.
2. Place the lift lever in the disengaged position.
3. Remove the three hex bolts (belt keepers) from the engine pulley belt guard. See figure 22.

NOTE

Make certain hex bolts are reassembled as shown in figure 22.

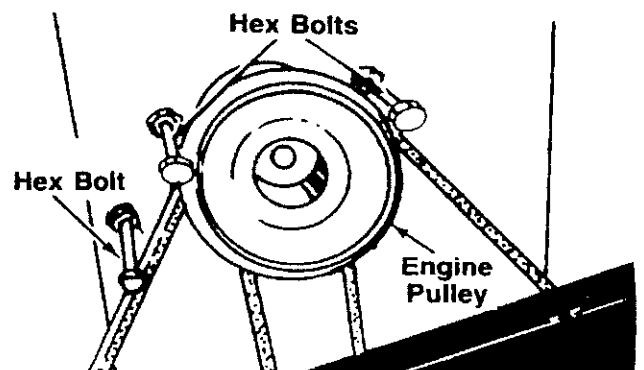


FIGURE 22.

4. Unhook the deck belt from the engine pulley.

- Remove the two bolts, lock washers and nuts on each side of the frame which hold the engine pulley belt guard to the frame. See figure 23.

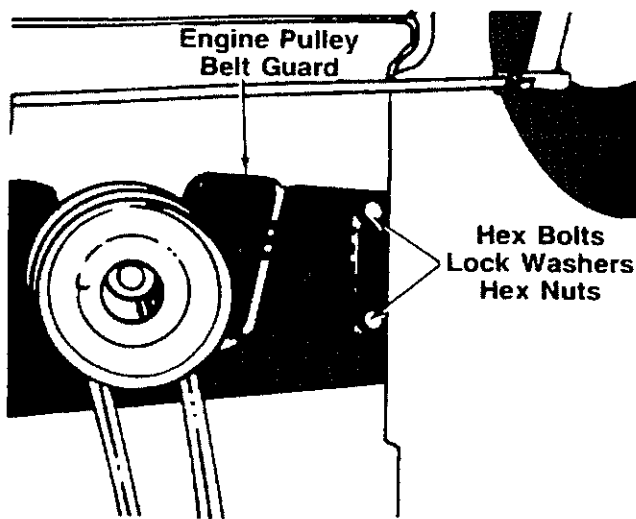


FIGURE 23.

- Remove the engine pulley belt guard by slipping it back and to the right. See figure 24.

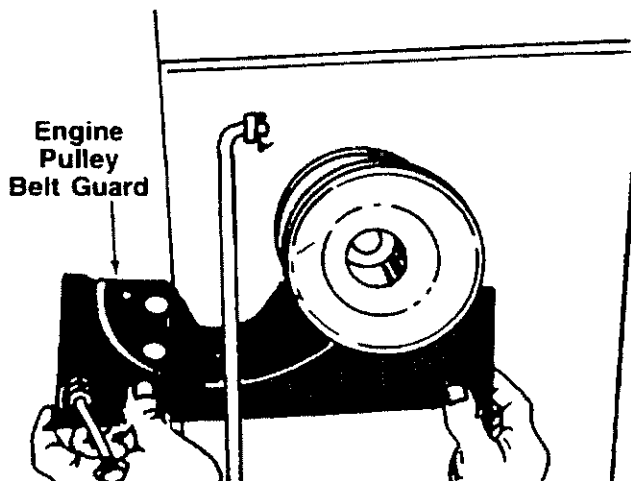


FIGURE 24.

- Place the clutch-brake pedal in park position.
- Push forward on the variable speed pulley, and lift the belt off the engine and remove the belt from the engine pulley.
- Release the clutch-brake pedal. Using the pedal to move the variable speed pulley as necessary, lift the belt up and off the variable speed pulley.

→ NOTE

When reassembling, make certain belt is inside the pins. See figure 25.

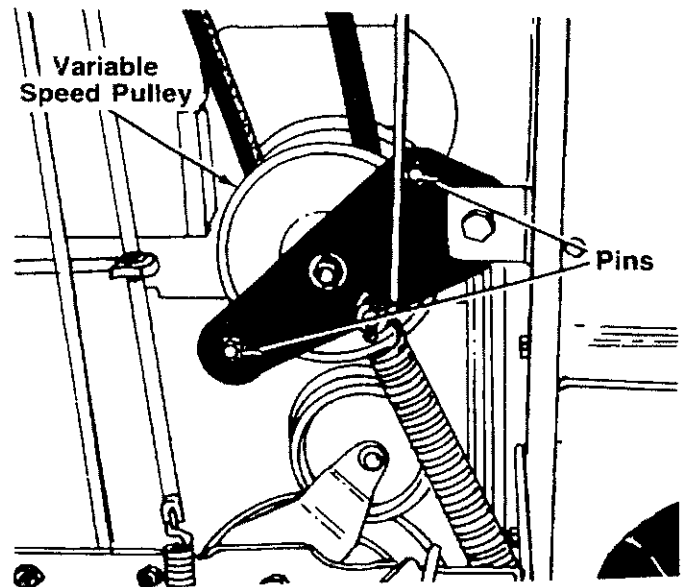


FIGURE 25.

- Reassemble with a new belt, following instructions in reverse order.

BATTERY REMOVAL OR INSTALLATION



WARNING

When removing the battery, follow this order of disassembly to prevent the screwdriver from shorting against the frame.

- Remove the Negative cable.
- Remove the Positive cable.

To install a battery:

- Attach the Positive cable.
- Attach the Negative cable.

JUMP STARTING

- Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
- Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.



WARNING

Failure to use this starting procedure could cause sparking, and the gas in either battery could explode.

BATTERY MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is above the lowest line on battery. Add only distilled water or a good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225, remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose holds downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte

➡ NOTE

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

INSTALLATION OF TIRE TO RIM



The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.
3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. Refer to battery storage instructions in previous column.
5. Store unit in a clean, dry area.

➡ NOTE

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

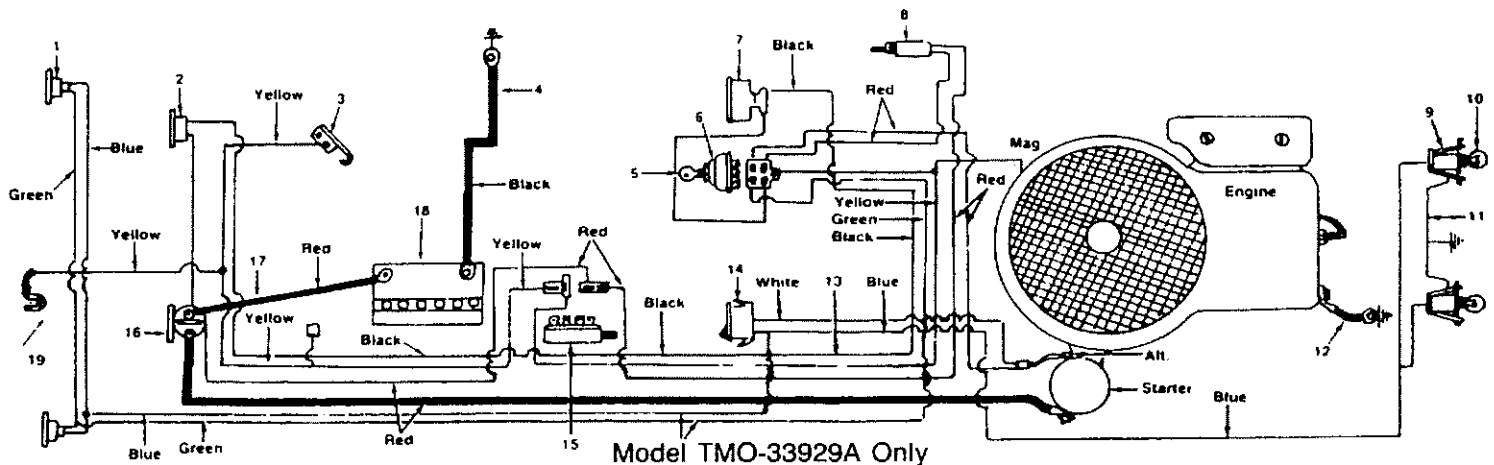
TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

| TROUBLE | LOOK FOR | REMEDY |
|---|---|--|
| Engine will not crank | Battery installed incorrectly | The battery must be installed with the negative terminal, identified at the terminal post by (Neg. N or -), grounded. The positive terminal (Pos. P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal. |
| | Blown fuse or circuit breaker | Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part. |
| | Battery is dead or weak | <p>Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined: (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working.</p> <p>The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r p m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.</p> <div style="text-align: center;"> </div> <p>The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.</p> |
| Mechanical failure (Wires and switches) | The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. If the engine does not crank: (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary. | |
| Engine cranks but will not start | Throttle or choke not in starting position | Check owner's guide for correct position for throttle control and choke for starting. |
| | No spark to spark plug | <p>Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer.</p> <p>Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.</p> |

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

| TROUBLE | LOOK FOR | REMEDY |
|---|--|--|
| | No fuel to the carburetor | Gasoline tank empty. Fill. Fuel line or in-line fuel filter plugged. Remove and clean fuel line. Replace filter if necessary. |
| | Air filter dirty | If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer |
| Engine smokes | Engine loses crankcase vacuum | Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace. |
| Excessive vibration | Bent or damaged blade spindle | Stop engine immediately. Check all pulleys, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts. |
| | Bent blade | Stop engine immediately. Replace damaged blade. Only use original equipment blades. |
| Mower will not discharge grass or leaves uncut strips | Engine speed low Transmission selection Blades short or dull | Throttle must be set between 3/4 and full throttle Use lower transmission speed. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only) |

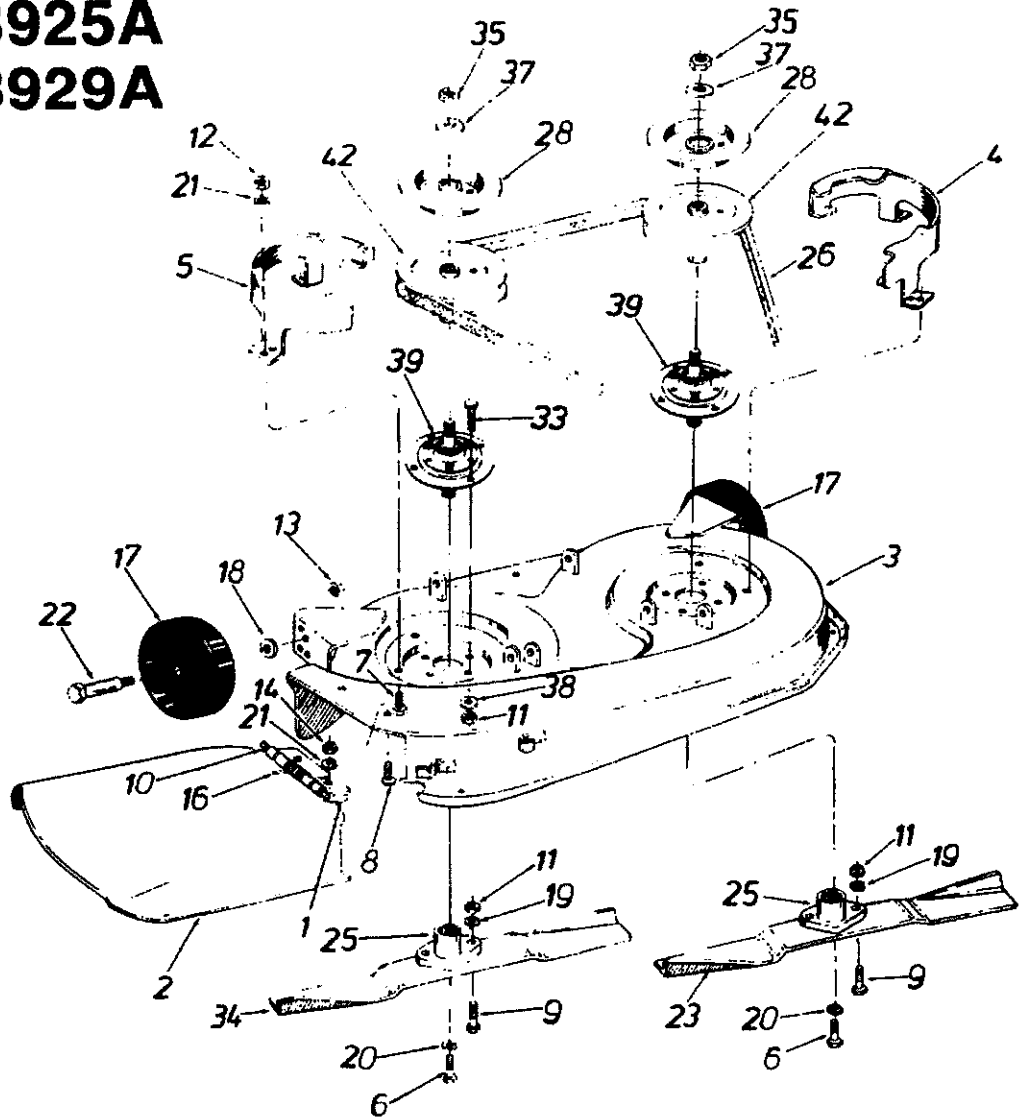
TMO-33925A TMO-33929A



PARTS LIST FOR ELECTRICAL SYSTEM

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|-----------------------------|----------|----------|----------|---------------------------|----------|
| 1 | 725-1128 | Taillight (TMO-33929A Only) | | 11 | 725-0916 | Grounding Wire | |
| 2 | 725-0459 | Circuit Breaker | | 12 | 725-0976 | Ground Wire 7.25" Lg. | |
| 3 | 725-0759 | Spring Switch | | 13 | 725-1309 | Wire Harness (TMO-33929A) | |
| 4 | 725-0977 | Ground Wire 11.5" Lg. | | | 725-1311 | Wire Harness (TMO-33925A) | |
| 5 | 725-0201 | Ignition Key | | 14 | 725-0634 | Light Switch | |
| 6 | 725-0267 | Ignition Switch | | 15 | 725-0803 | Safety Switch | |
| 7 | 725-0925 | Ammeter | | 16 | 725-0771 | Solenoid | |
| 8 | 725-0577 | Safety Switch | | 17 | 725-1351 | Elec. Wire w/Bolt | |
| 9 | 725-1058 | Socket—Headlight | | 18 | 725-0514 | 12-V Battery | |
| 10 | 725-0963 | Lamp—Headlight | | 19 | 725-1303 | Seat Safety Switch | |

TMO-33925A TMO-33929A

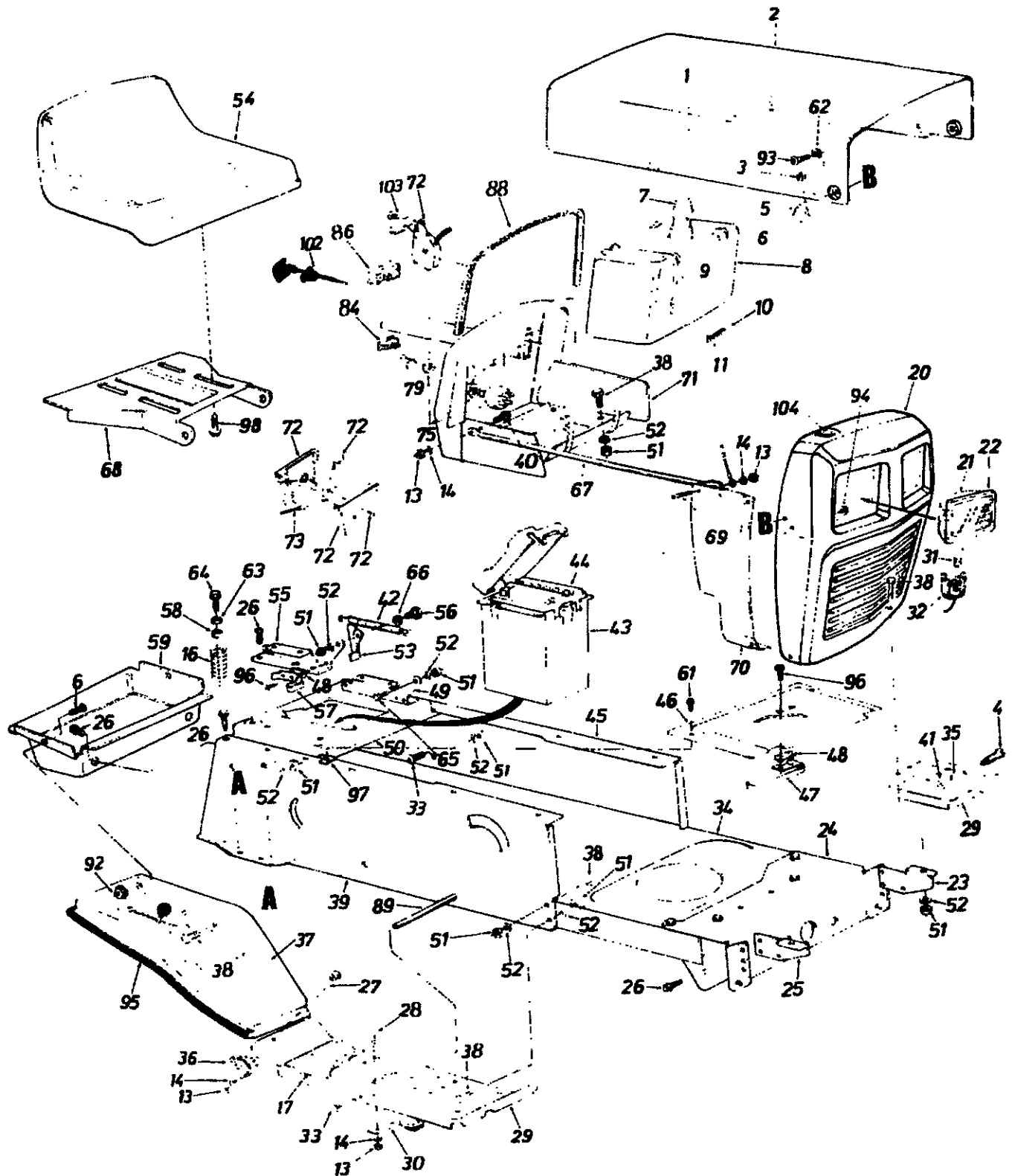


12 H.P. 38" LAWN TRACTORS
PARTS LIST FOR MODELS TMO-33925A AND TMO-33929A

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|---|----------|----------|----------|--|----------|
| 1 | 16521 | Chute Bracket | | 18 | 736-0105 | Bell-Wash. .40" I.D. x .88" O.D. | |
| 2 | 16566 | Chute Deflector | | 19 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 3 | 16575 | 38" Deep Deck Ass'y. | | 20 | 736-0217 | L-Wash. 3/8" I.D.—H.D. | |
| | 801-6576 | 38" Deep Deck Ass'y. Comp. (For Service Only) | | 21 | 736-0329 | L-Wash. 1/4" I.D.* | |
| 4 | 16607 | Belt Guard Deck—L.H. | | 22 | 738-0373 | Shld. Bolt .498" Dia. x 1.53" | |
| 5 | 16608 | Belt Guard Deck—R.H. | | 23 | 742-0472 | High-Lift Blade—L.H. | |
| 6 | 710-0152 | Hex Bolt 3/8-24 x 1.00" | | 25 | 748-0300 | Blade Adapter | |
| 7 | 710-0195 | Hex Bolt 1/4-28 x .62" | | 26 | 754-0329 | V-Belt | |
| 8 | 710-0255 | Truss Mach. Scr. 1/4-20 x .75" | | 28 | 09322 | Brake Disc | |
| 9 | 710-0888 | Hex Bolt Special 5/16-24 x 1.0" | | 33 | 710-1013 | Rib Neck Bolt 5/16-24 x 1.05" Lg. | |
| 10 | 711-0792 | Hinge Pin | | 34 | 742-0473 | High-Lift Blade—R.H. | |
| 11 | 712-0123 | Hex Nut 5/16-24 Thd.* | | 35 | 712-0318 | Hex Jam Nut 5/8-18 Thd. | |
| 12 | 712-0138 | Hex Nut 1/4-28 Thd. | | 37 | 736-0158 | L-Wash. 5/8" I.D.* | |
| 13 | 712-0181 | Hex Top L-Nut 3/8-16 Thd. | | 38 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 14 | 712-0298 | Hex Jam Nut 1/4-20 Thd. | | 39 | 717-0906 | Blade Spindle Ass'y. Comp. (incl. Ref. 33) | |
| 16 | 732-0542 | Torsion Spring | | 42 | 756-0486 | 5" Dia. Pulley | N |
| 17 | 734-0973 | Deck Wheel—5" | | | | | |

TMO-33925A

Parts shown are for Model TMO-33925A Only—
For Model TMO-33929A, see page 26.



TMO-33925A

12 H.P. 38" LAWN TRACTOR PARTS LIST FOR MODEL TMO-33925A

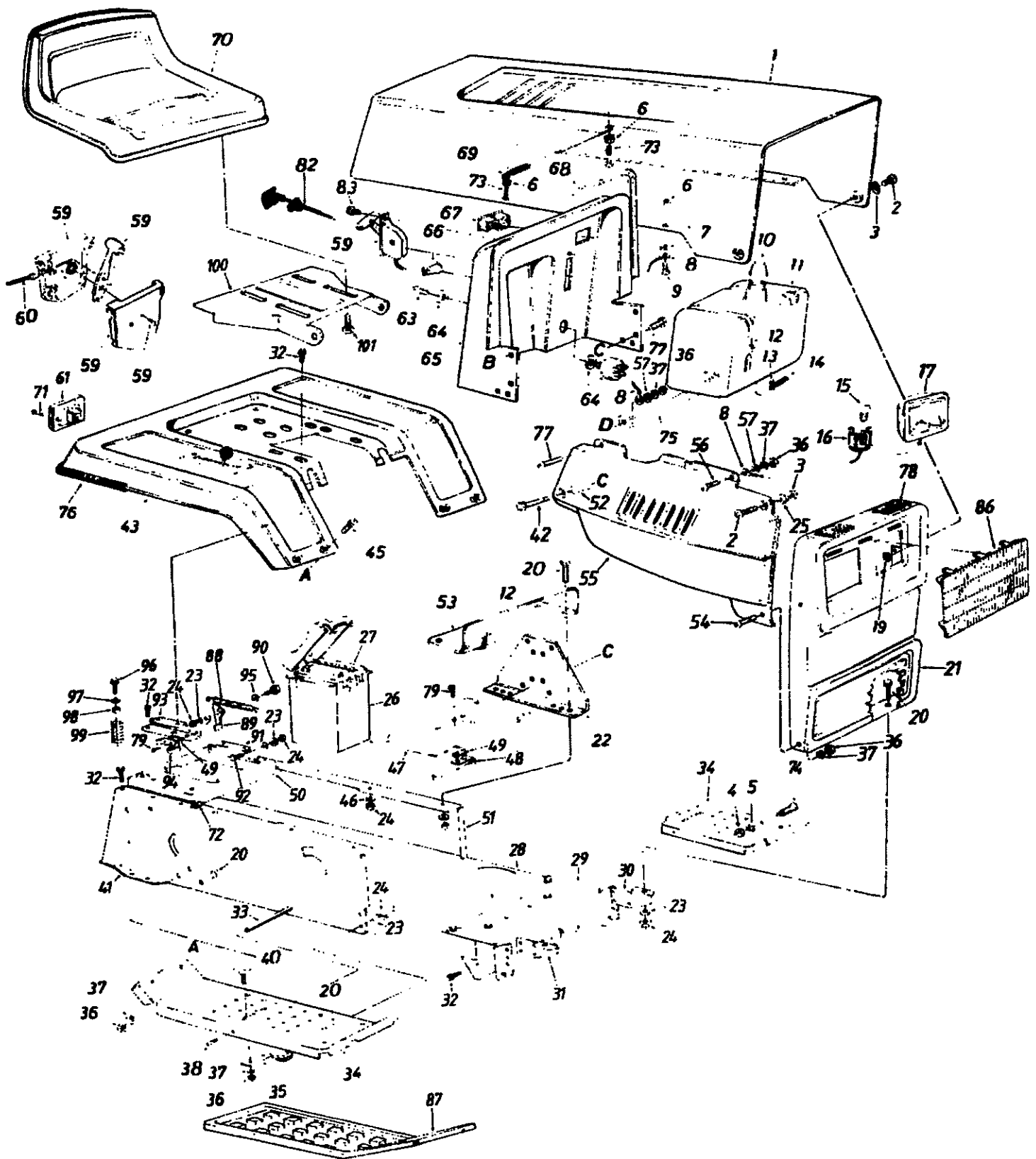
| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|------------|---|----------|----------|----------|---|----------|
| 1 | 732-0414 | Hood Spring | | 48 | 726-0222 | Insulator Nut Plate | |
| 2 | 14665CC621 | Hood | | 49 | 17243 | Seat Pivot Brkt. Support—L.H. | N |
| 3 | 712-0272 | Hex Sems Nut #10-24 Thd.* | | 50 | 17225 | Hitch Plate | N |
| 4 | 738-0145 | Shld. Bolt .50" Dia. x .84" | | 51 | 712-0267 | Hex Nut 5/16-18 Thd.* | |
| 5 | 723-0302 | Hood Stop 7" Lg. | | 52 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 6 | 710-0473 | Truss Hd. Scr. #10-24 x 1/2"* | | 53 | 17239 | Seat Lift Brkt. | N |
| 7 | 723-0333 | Fuel Cap Gauge | | 54 | 757-0345 | Seat | N |
| 8 | 751-0172 | Fuel Tank | | 55 | 17244 | Seat Pivot Brkt. Support—R.H. | N |
| 9 | 726-0209 | Tie Strap | | 56 | 738-0296 | Shld. Bolt .437" Dia. x .268" | |
| 10 | 751-0173 | Fuel Line | | 57 | 725-1303 | Spring Switch | N |
| 11 | 726-0207 | Hose Clamp | | 58 | 722-0160 | Bushing | N |
| 13 | 712-0287 | Hex Nut 1/4-20 Thd.* | | 59 | 731-0561 | Tool Tray | |
| 14 | 736-0329 | L-Wash. 1/4" I.D. | | 61 | 710-0351 | Truss Mach. Tap Scr. #10 x .50" Lg. | |
| 16 | 732-0548 | Compression Spring | N | 62 | 736-0413 | Washer .39" I.D. x .62" O.D. | |
| 17 | 723-0360 | Foot Pad | | 63 | 736-0159 | Fl-Wash. .344" I.D. x .875" | |
| 20 | 17025 | Grille | | 64 | 710-0602 | Hex Wash. Hd. Tap Scr. 5/16-18 x 1.0" Lg. | |
| 21 | 731-0705 | Headlight Housing | | 65 | 738-0155 | Shld. Bolt .437" Dia. x .162" | |
| 22 | 731-0706 | Headlight Lens | | 66 | 736-0141 | Spr-Wash. .445" I.D. x .75 | |
| 23 | 16643 | Mounting Brkt. | | 67 | 749-0721 | Grille Support Rod | N |
| 24 | 14619 | Front Pivot Brkt. | | 68 | 15607 | Seat Pivot Bracket | |
| 25 | 16644 | Mounting Brkt. | | 69 | 710-0255 | Truss Hd. Scr. 1/4-20 x .75"* | |
| 26 | 710-0726 | Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg. | | 70 | 16619 | R.H.—Grille Side Panel | |
| 27 | 710-0495 | Carriage Bolt 1/4-20 x 2.0" Lg.* | | | 16621 | L.H.—Grille Side Panel (Not Shown) | |
| 28 | 710-0134 | Carriage Bolt 1/4-20 x .62"* | | 71 | 17301 | Dash Panel Ass'y. | N |
| 29 | 14604 | Running Board (R.H. & L.H.) | | 72 | 831-0823 | Throttle Control Box Ass'y. | |
| 30 | 761-0168 | Blade Brake Ass'y. | | 73 | 746-0638 | Throttle Control Wire | |
| 31 | 725-0963 | Head Lamp | | 75 | 725-0267 | Ignition Switch | |
| 32 | 725-1058 | Twist Lock Lamp Socket | | 79 | 725-0201 | Ignition Key | |
| 33 | 710-0323 | Truss Mach. Scr. 5/16-18 x .75" Lg.* | | 84 | 725-0634 | Light Switch | |
| 34 | 15930 | Lower Frame | | 86 | 725-0925 | Ammeter | |
| 35 | 736-0169 | L-Wash. 3/8" I.D.* | | 88 | 731-0511 | Molding Strip 27" Lg. | |
| 36 | 14671 | Fender Clamp | | 89 | 738-0526 | Running Board Rod | |
| 37 | 16197CC621 | Fender (R.H.) | | 92 | 712-0272 | Hex Sems Nut #10-24 Thd. | |
| | 14666CC621 | Fender (L.H.) | | 93 | 738-0724 | Shld. Bolt .375" Dia. x .125" | |
| 38 | 710-0118 | Hex Bolt 5/16-18 x .75" Lg.* | | 94 | 712-0380 | L-Nut 1/4-28 Thd. | |
| 39 | 14602CC621 | R.H. Side Frame | | 95 | 731-0511 | Trim Strip—57" Lg. | |
| 40 | 710-0258 | Hex Bolt 1/4-20 x .62" Lg.* | | 96 | 710-0227 | Hex Wash. Hd. AB-Tap Scr. #8 x .50" Lg. | |
| 41 | 712-0798 | Hex Nut 3/8-16 Thd.* | | 97 | 726-0139 | Speed Nut #10Z | |
| 42 | 732-0581 | Extension Spring 5.31" Lg. | | 98 | 710-0623 | Hex Tap Scr. 3/8-16 x .75" | |
| 43 | 731-0871 | Battery Box w/Cover | | 102 | 746-0615 | Choke Control 29" Lg. | |
| 44 | 725-0514 | 12-V Battery | | 103 | 710-0779 | Truss Mach. AB-Tap Scr. #10 x .50" Lg. | |
| 45 | 14603CC621 | L.H. Side Frame | | 104 | 722-0157 | Foam Strip 3/8 x 1-1/8 x 1 1/2 | |
| 46 | 17286 | Shift Cover | N | | | | |
| 47 | 725-0759 | Reverse Safety Switch | | | | | |

*Common Hardware—May be purchased locally.
Important: **Do not** order by reference number (Ref. No.).

NOTE: Specifications subject to change without notice or obligation.

TMO-33929A

Parts shown are for Model TMO-33929A Only—
For Model TMO-33925A, see page 24.



TMO-33929A

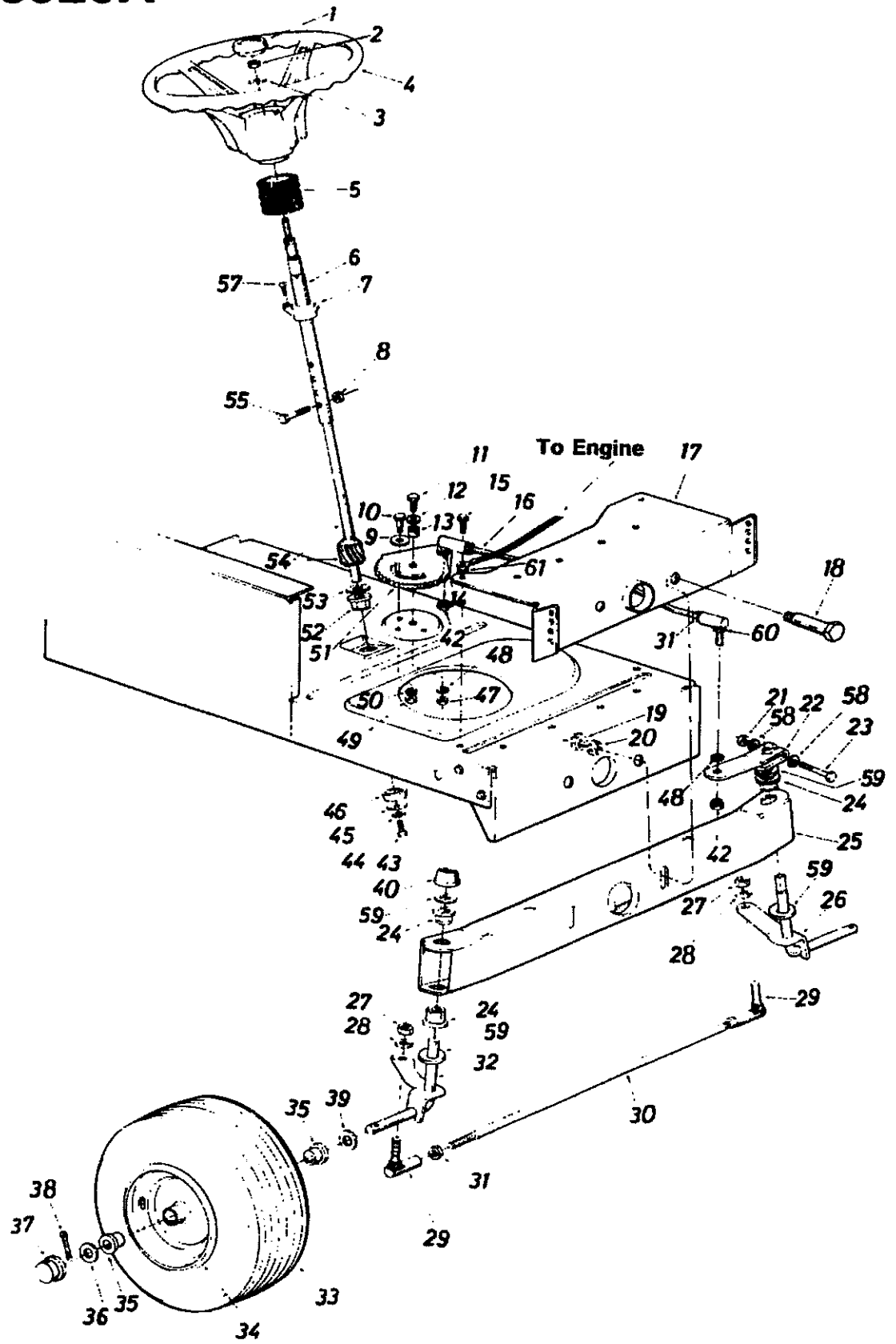
12 H.P. 38" LAWN TRACTOR PARTS LIST FOR MODEL TMO-33929A

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|------------|---|----------|----------|----------|---|----------|
| 1 | 15808CC621 | Hood | | 53 | 14605 | Fuel Tank Support | |
| 2 | 738-0724 | Shld. Bolt .375 Dia. x .125 | | 54 | 710-0255 | Truss Hd. Scr. 1/4-20 x .75" * | |
| 3 | 736-0413 | Washer .39" I.D. x .62" | | 55 | 17308 | Side Cover—R.H. | N |
| 4 | 712-0798 | Hex Nut 3/8-16 Thd.* | | | 16721 | Side Cover—L.H. (Not Shown) | N |
| 5 | 736-0169 | L-Wash. 3/8" I.D.* | | 56 | 710-0286 | Truss Mach. Scr. 1/4-20 x .50" Lg.* | |
| 6 | 712-0272 | Hex Sems Nut #10-24 Thd.* | | | | FI-Wash. .281" I.D. x .73" | |
| 7 | 736-0931 | FI-Wash. .203" I.D. x .41" | | 57 | 736-0173 | Mounting Clamp | |
| 8 | 727-0290 | Hood Stop | | 58 | 726-0152 | Throttle Control Box Ass'y. | |
| 9 | 710-0473 | Truss Hd. Scr. #10-24 x 1/2" * | | 59 | 831-0823 | Throttle Control Wire | |
| 10 | 723-0333 | Fuel Cap Gauge | | 60 | 746-0500 | Taillight | |
| 11 | 751-0172 | Fuel Tank | | 61 | 725-1128 | Ignition Key | |
| 12 | 726-0209 | Tie Strap | | 63 | 725-0201 | Ignition Switch | |
| 13 | 726-0207 | Hose Clamp | | 64 | 725-0267 | Dash Panel | N |
| 14 | 751-0173 | Fuel Line | | 65 | 17295 | Light Switch | |
| 15 | 725-0963 | Lamp | | 66 | 725-0634 | Ammeter | |
| 16 | 725-1058 | Twist Lock—Lamp Socket | | 67 | 725-0925 | Trim Strip—27" | |
| 17 | 731-0705 | Headlight Housing | | 68 | 731-0511 | Hood Spring | |
| 19 | 712-0380 | L-Nut 1/4-28 Thd. | | 69 | 732-0462 | Seat | N |
| 20 | 710-0118 | Hex Bolt 5/16-18 x .75" Lg.* | | 70 | 757-0338 | Truss Hd. AB-Tap Scr. | |
| 21 | 16457CC621 | Grille | | 71 | 710-0936 | #6 x .62" Lg. | |
| 22 | 17300 | Dash Support Bracket | N | 72 | 726-0139 | Speed Nut #10Z | |
| 23 | 736-0119 | L-Wash. 5/16" I.D.* | | 73 | 710-0749 | Hex Scr. #10-24 x 1.0" Lg. | |
| 24 | 712-0267 | Hex Nut 5/16-18 Thd.* | | 74 | 738-0145 | Shld. Bolt .50 Dia. x .84 | |
| 25 | 738-0759 | Shld. Spacer | N | 75 | 15931 | Tie Strap—Grille/Side Panel | |
| 26 | 731-0871 | Battery Box w/Cover | | 76 | 731-0511 | Trim Strip—81" | |
| 27 | 725-0514 | 12V Battery | | 77 | 710-0642 | Hex Wash. Hd. Tap Scr. | |
| 28 | 15930 | Lower Frame | | | | 1/4 x .75" Lg. | |
| 29 | 14619 | Front Pivot Brk't. | | 78 | 722-0157 | Foam Strip 3/8 x 1-1/8" x 1 1/2" Lg. (4 Req'd.) | |
| 30 | 15821 | Grille Mount Brk't.—L.H. | | | | Hex Wash. Hd. AB-Tap #8 x .50" Lg. | |
| 31 | 15822 | Grille Mount Brk't.—R.H. | | 79 | 710-0227 | Choke Control 29" Lg. | |
| 32 | 710-0726 | Hex Wash. Hd. AB-Tap Scr. 5/16 x .75" Lg. | | 82 | 746-0615 | Truss Mach. AB-Tap Scr. | |
| 33 | 738-0526 | Running Board Rod | | 83 | 710-0779 | #10 x .5" Lg. | |
| 34 | 14604 | Running Board (R.H. & L.H.) | | 86 | 731-0967 | Headlight Bezel | N |
| 35 | 761-0168 | Blade Brake Ass'y. | | 87 | 731-0909 | Rubber Foot Pad—L.H. | N |
| 36 | 712-0287 | Hex Nut 1/4-20 Thd.* | | | 731-0910 | Rubber Foot Pad—R.H. | N |
| 37 | 736-0329 | L-Wash. 1/4" I.D.* | | 88 | 732-0581 | Ext. Spring 5.31" Lg. | N |
| 38 | 710-0323 | Truss Mach. Scr. 5/16-18 x .75" Lg.* | | 89 | 17239 | Seat Lift Brkt. | N |
| 40 | 710-0134 | Carriage Bolt 1/4-20 x .62" * | | 90 | 738-0296 | Shld. Bolt .437" Dia. | |
| 41 | 14602 | R.H. Side Frame | | 91 | 17243 | Seat Pivot Brkt. Support—L.H. | N |
| 42 | 710-1026 | Hex TT-Tap Scr. 1/4-20 x 1.75" Lg. | N | 92 | 738-0155 | Shld. Bolt .437" Dia. | |
| 43 | 17229CC621 | Rear Fender | | 93 | 17244 | Seat Pivot Brkt. Support—R.H. | N |
| 44 | 710-0351 | Truss Mach. Scr. #10 x .50" | | 94 | 725-1303 | Spring Switch | N |
| 45 | 710-0167 | Carriage Bolt 1/4-20 x .50" * | | 95 | 736-0141 | Spr-Wash. .445" I.D. | |
| 46 | 736-0607 | External L-Wash. 5/16" I.D. | | 96 | 710-0602 | Hex Wash. Hd. Tap Scr. 5/16-18 x 1" Lg. | |
| 47 | 17286 | Transmission Panel | N | | | FI-Wash. .344" I.D. | |
| 48 | 725-0759 | Reverse Safety Switch | | 97 | 736-0159 | Bushing | N |
| 49 | 726-0222 | Insulator Nut Plate | | 98 | 722-0160 | Compression Spring | N |
| 50 | 17225 | Hitch Plate | N | 99 | 732-0588 | Seat Pivot Bracket | |
| 51 | 14603 | L.H. Side Frame | | 100 | 15607 | Hex Tap Scr. 3/8-16 x .75" | |
| 52 | 750-0583 | Spacer 1.30" Lg. | | 101 | 710-0623 | | |

*Common Hardware—May be purchased locally.
Important: **Do Not** order by reference number (Ref. No.).

NOTE: Specifications subject to change without notice or obligation.

TMO-33925A TMO-33929A



TMO-33925A

TMO-33929A

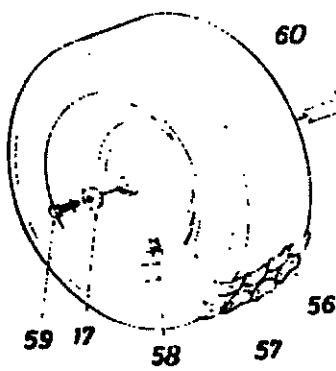
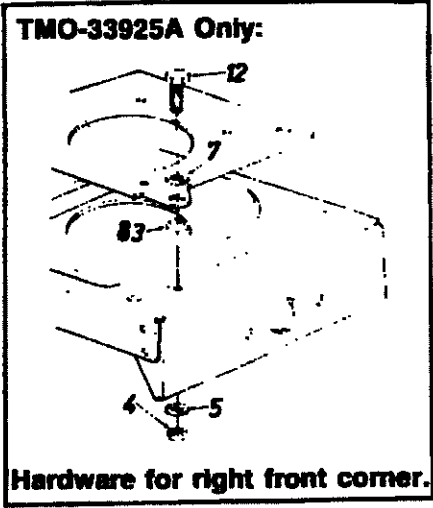
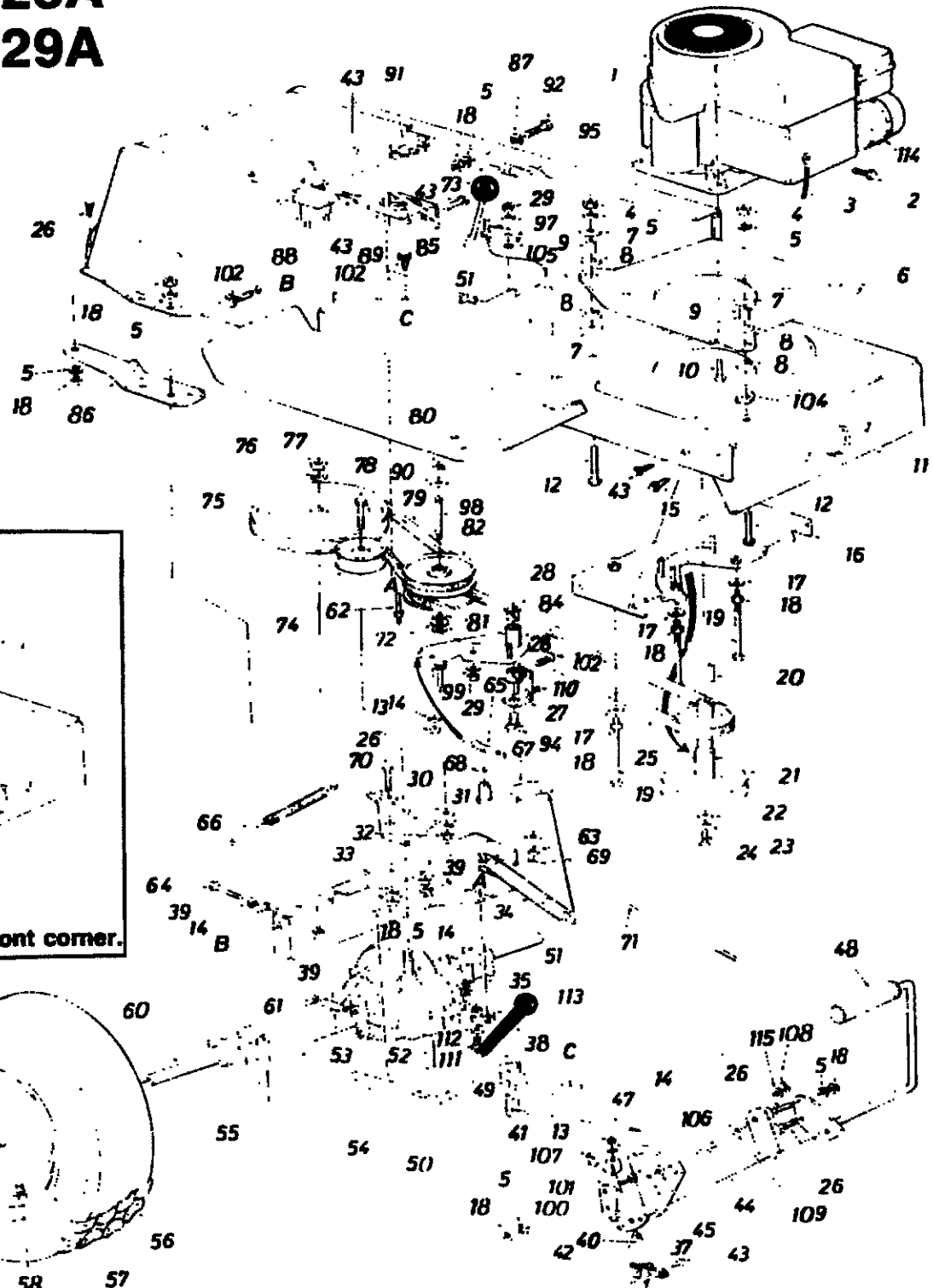
12 H.P. 38" LAWN TRACTORS

PARTS LIST FOR MODELS TMO-33925A AND TMO-33929A

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|---|----------|----------|----------|---------------------------------------|----------|
| 1 | 731-0220 | Steering Wheel Cap | | 31 | 712-0711 | Hex Jam Nut 3/8-24 Thd.* | |
| 2 | 712-0237 | Hex L-Nut 5/16-24 Thd. | | 32 | 14650 | Front Axle Ass'y.—R.H. | |
| 3 | 736-0242 | Belleville Wash. .345" I.D. | | 33 | 734-0863 | Wheel Ass'y. Comp. | |
| 4 | 731-0805 | Steering Wheel (TMO-33925A) | | | 734-0864 | Tire Only | |
| | 731-0806 | Steering Wheel (TMO-33929A) | | 34 | 734-0997 | Front Wheel Rim Only | |
| 5 | 731-0559 | Steering Bellow—4.5" | | | 734-0255 | Air Valve | |
| 6 | 16512 | Steering Column Ass'y. | | | 737-0146 | Grease Fitting | |
| 7 | 741-0356 | Flange Bearing .890 I.D. x 1.36 O.D. | | 35 | 741-0487 | Bearing | |
| | | | | 36 | 736-0285 | Fl-Wash. .635 I.D. x 1.59" O.D. | |
| 8 | 712-0324 | Hex L-Nut 1/4-20 Thd. | | 37 | 731-0484 | Front Wheel Hub Cap | |
| 9 | 736-0319 | Fl-Wash. .438" I.D. x 1.37" O.D. | | 38 | 714-0470 | Cotter Pin 1/8" Dia. x 1.25" | |
| | | | | 39 | 736-0187 | Fl-Wash. .640" I.D. x 1.24" O.D. | |
| 10 | 738-0141 | Shoulder Bolt .437" Dia. x .35 Lg. 5/16-18 Thd. | | 40 | 726-0214 | Push Cap 5/8" Dia. Rod | |
| 11 | 710-0152 | Hex Bolt 3/8-24 x 1.0" Lg. (Grade 5) | | 42 | 712-0711 | Hex Jam Nut 3/8-24 Thd.* | |
| 12 | 736-0219 | Bell-Wash. .40" I.D. x 1.13" O.D. | | 43 | 710-0538 | Hex L-Bolt 5/16-18 x .62" | |
| | | | | 44 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 13 | 750-0535 | Spacer .380" I.D. x .625" O.D. x .227 | | 45 | 736-0343 | Fl-Wash. .33" I.D. x 1.25" O.D. | |
| 14 | 736-0169 | L-Wash. 3/8" I.D.* | | 46 | 750-0532 | Spacer (Plastic) | |
| 15 | 710-0726 | Hex Wash. Hd. Self-Tap Scr. | | 47 | 712-0241 | Hex Nut 3/8-24 Thd.* | |
| 16 | 711-0788 | Steering Drag Link | | 48 | 736-0169 | L-Wash. 3/8" I.D.* | |
| 17 | 14619 | Front Pivot Brkt. | | 49 | 712-0267 | Hex Nut 5/16-18 Thd.* | |
| 18 | 738-0527 | Shoulder Bolt .498" Dia. x 2.04 Lg. 3/8-16 Thd. | | 50 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 19 | 712-0798 | Hex Nut 3/8-16 Thd.* | | 51 | 717-0622 | Steering Gear Segment | |
| 20 | 736-0169 | L-Wash. 3/8" I.D.* | | 52 | 741-0225 | Hex Flg. Brg. .634 I.D. | |
| 21 | 712-0237 | Hex Cent. L-Nut 5/16-24 Thd. | | 53 | 736-0187 | Fl-Wash. (Hardened) | |
| 22 | 16481 | Steering Arm Front Axle | | 54 | 738-0522 | Steering Shaft Lower | |
| 23 | 710-0772 | Hex Bolt 5/16-24 x 2.00" Lg. (Grade 5) | | 55 | 710-0958 | Hex Bolt 1/4-20 x 1.25" Lg. (Special) | |
| 24 | 741-0225 | Hex Flg. Brg. .634 I.D. | | 57 | 710-0837 | Oval Hd. Cr.—Sunk Scr. #10 x 5/8" Lg. | |
| 25 | 14608 | Pivot Bar Ass'y. | | 58 | 736-0271 | Wave-Wash. .32" I.D. x .62" O.D. | |
| 26 | 16479 | Front Axle Ass'y.—L.H. | | 59 | 736-0187 | Fl-Wash. (Hardened) | |
| 27 | 712-0241 | Hex Nut 3/8-24 Thd.* | | 60 | 723-3018 | Drag Link Ball Joint 3/8-24 Thd. | |
| 28 | 736-0169 | L-Wash. 3/8" I.D.* | | 61 | 736-0607 | Ext. L-Wash. 5/16" I.D. | |
| 29 | 723-3018 | Ball Joint 3/8-24 Thd. | | | | | |
| 30 | 711-0613 | Tie Rod | | | | | |

| Part No. | Description | Part No. | Description |
|----------|-----------------------------------|-----------|---------------------------------------|
| 788-0621 | Brilliant Fire Mist Spray Paint | 777-7093 | Labels—Hood Stripe (TMO-33925A) |
| 788-0452 | Black Spray Paint | 777-7094 | Labels—Hood Stripe (TMO-33929A) |
| 777-5268 | Steering Cap Label | 777-7100 | Plastic Hood Side Stripe (TMO-33929A) |
| 777-6827 | Montgomery Ward Logo—Grille | 777-6891 | Label—7 Speed |
| 777-7002 | Montgomery Ward Logo—Side of Hood | 777-7528 | F-N-R Shift Label |
| 777-7105 | Transmatic Label | 777-6681 | Label—Dash Panel (TMO-33925A) |
| 777-7068 | Labels—Frame Side (TMO-33925A) | 777-7289 | Label—Dash Panel (TMO-33929A) |
| 777-6932 | Labels—Frame Side (TMO-33929A) | 770-6518C | Operating Manual |

TMO-33925A TMO-33929A



****REAR WHEEL CHART**

| Description | 18 x 9.50 (TMO-33929A) | 18 x 8.50 (TMO-33925A) |
|----------------------|---------------------------|---------------------------|
| Wheel Assembly Comp. | 734-0817 | 734-0601 |
| Tire Only | 734-0448 | 734-0516 |
| Rim Only | 734-0603 | 734-0603 |

TMO-33925A

TMO-33929A

12 H.P. 38" LAWN TRACTORS

PARTS LIST FOR MODELS TMO-33925A AND TMO-33929A

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|---|----------|----------|----------|--|----------|
| 1 | 12 H.P. | Engine—Tecumseh OVXL120LT-202008 (TMO-33925A) | | 49 | 15889 | Brake Lever Bracket | |
| | 12 H.P. | Engine—B&S 281707-0137-01 (TMO-33929A) | | 50 | 15888 | Hill Holder Brake Handle | |
| 2 | 710-0258 | Hex Bolt 1/4-20 x .62" Lg.* | | 51 | 16430 | Shift Lever Ass'y. | |
| 3 | 725-0122 | Electric Ground Wire | | 52 | 710-0559 | Hex Bolt 1/4-28 x 1.75" Lg.* | |
| 4 | 712-0123 | Hex Nut 5/16-24 Thd.* | | 53 | 732-0264 | Ext. Spring .38" O.D. x 2.5" | |
| 5 | 736-0119 | L-Wash. 5/16" I.D.* | | 54 | 732-0413 | Ext. Spring .59" O.D. x 7.08" | |
| 6 | 14791 | Engine Mounting Plate | | 55 | 710-0176 | Hex Bolt 5/16-18 x 2.75" * | |
| 7 | 736-0343 | FI-Wash. .320" I.D. x 1.25" | | 56 | ** | Wheel Ass'y. Comp. | |
| 8 | 722-0153 | Engine Mounting Grommet | | 57 | ** | Wheel Rim Only | |
| 9 | 750-0539 | Spacer | | 58 | 734-0255 | Air Valve (Service Only) | |
| 10 | 710-0502 | Hex Bolt 3/8-16 x 1.25" Lg. (TMO-33929A) | | 59 | 710-0627 | Hex Bolt 5/16-24 x .75" Lg.* | |
| | 710-0650 | Hex Wash. Hd. TT-Tap Scr. 5/16-18 x 7/8" Lg. (TMO-33925A) | | 60 | 717-1050 | Transaxle Complete | |
| 11 | 15930 | Lower Frame Ass'y. | | 61 | 732-0454 | Brake Return Spring Anchor | |
| 12 | 710-0158 | Hex Bolt 5/16-24 x 1.25" * | | 62 | 711-0768 | Belt Guard Pin 1/4-20 Thd. | |
| 13 | 712-0287 | Hex Nut 1/4-20 Thd.* | | 63 | 736-0275 | FI-Wash. .34" I.D. x .68" O.D. | |
| 14 | 736-0329 | L-Wash. 1/4" I.D.* | | 64 | 710-0428 | Hex Bolt 1/4-28 x 1.25" Lg.* | |
| 15 | 710-0781 | Hex Wash. Hd. AB-Tap Scr. 5/16" x .75" Lg. | | 65 | 732-0568 | Ext. Spring | |
| 16 | 15898 | Belt Guard Brkt. Ass'y. | | 66 | 732-0384 | Ext. Spring .62" O.D. x 6.12" | |
| 17 | 736-0242 | Bell-Wash. .345" I.D. x .88" | | 67 | 16554 | Variable Speed Torque Brkt. Ass'y. | |
| 18 | 712-0267 | Hex Nut 5/16-18 Thd.* | | 68 | 741-0419 | Flanged Bearing | |
| 19 | 710-0190 | Hex Bolt 5/16-18 x 4.0" * | | 69 | 714-0507 | Cotter Pin 3/32" Dia.* | |
| 20 | 714-0114 | Sq. Key 1/4" x 1/4" x 2.00" | | 70 | 748-0234 | Shoulder Spacer .27" Lg. | |
| 21 | 756-0488 | Engine Pulley | | 71 | 747-0530 | Speed Control Link | |
| 22 | 736-0322 | FI-Wash. 7/16" I.D. x 1.25" | | 72 | 741-0405 | Truss Bearing .56 Dia. x 1.25" | |
| 23 | 736-0171 | L-Wash. 7/16" I.D.* | | 73 | 720-0165 | Ball Knob | |
| 24 | 710-0757 | Hex Bolt 7/16-20 x 1.50" Lg. | | 74 | 756-0437 | FI-Idler Pulley 3.25" x .75" | |
| 25 | 754-0280 | Variable-Speed Belt | | 75 | 756-0374 | 1/2" "V"-Pulley 8.0" O.D. x .501" I.D. | |
| 26 | 710-0118 | Hex Bolt 5/16-18 x .75" Lg. | | 76 | 736-0921 | L-Wash. 1/2" I.D.* | |
| 27 | 16553 | Bearing Shaft Bracket Ass'y. | | 77 | 712-0922 | Hex Jam Nut 1/2-20 Thd.* | |
| 28 | 741-0295 | Flanged Nyloner Brg. 5/8" I.D. x .88" Lg. | | 78 | 710-0539 | Hex Bolt 3/8-24 x 1.75" Lg. | |
| 29 | 712-0241 | Hex Nut 3/8-24 Thd.* | | 79 | 754-0281 | Variable Speed Belt | |
| 30 | 15891 | Idler Bracket | | 80 | 716-0114 | Snap Ring .56" Dia. | |
| 31 | 736-0169 | L-Wash. 3/8" I.D.* | | 81 | 736-0355 | FI-Wash. | |
| 32 | 712-0241 | Hex Nut 3/8-24 Thd.* | | 82 | 717-0800 | Variable Speed Pulley Ass'y. 5" O.D. | |
| 33 | 15945 | Transaxle Support Brkt. | | 83 | 736-0392 | Flange Wash. (TMO-33925A) | |
| 34 | 732-0459 | Ext. Spring .94" O.D. x 6.7 | | 84 | 16354 | Variable Speed Brkt. Ass'y. | |
| 35 | 714-0149 | Inter. Cott-Pin | | 85 | 732-0525 | Comp. Spring—Clip | |
| 37 | 714-0507 | Cotter Pin 3/32" Dia. x .75" * | | 86 | 14770 | Transaxle Support Brkt.— R.H. | |
| 38 | 720-0143 | Grip—Black | | | 14769 | Transaxle Support Brkt.— L.H. (Not Shown) | |
| 39 | 712-0138 | Hex Nut 1/4-28 Thd. | | 87 | 736-0231 | FI-Wash. .34 I.D. x 1.12 O.D. | |
| 40 | 710-0597 | Hex Bolt 1/4-20 x 1.00" Lg.* | | 88 | 725-0771 | Solenoid | |
| 41 | 732-0582 | Switch Actuator | | 89 | 16429 | Shift Lever Bracket | |
| 42 | 725-0577 | Safety Switch | | 90 | 736-0414 | Teflon Washer .565" I.D. | |
| 43 | 710-0599 | Hex Wash. Hd. S-Tap Scr. 1/4-20 x .50" Lg. | | 91 | 725-0459 | Circuit Breaker | |
| 44 | 16235 | Clutch/Brake Pedal Ass'y. | | 92 | 710-0959 | Hex Bolt 5/16-18 x 1.50" Lg. | |
| 45 | 736-0117 | FI-Wash. | | 94 | 738-0755 | Shld. Bolt 3/8-24 x 3.12" Lg. | |
| 47 | 747-0519 | Brake Rod 20.9" Lg. | | 95 | 732-0307 | Ext. Spring .99" O.D. x 11" | |
| 48 | 735-0196 | Foot Pad | | 97 | 736-0105 | Bell-Wash. .38" I.D. x .88" | |
| | | | | 98 | 738-0569 | Shaft .56" Dia. x 3.875" Lg. | |
| | | | | 99 | 736-0331 | Bell-Wash. .39" I.D. x 1.12" | |
| | | | | 100 | 736-0256 | FI-Wash. | |
| | | | | 101 | 714-0111 | Cotter Pin 3/32" Dia. x 1.0" * | |

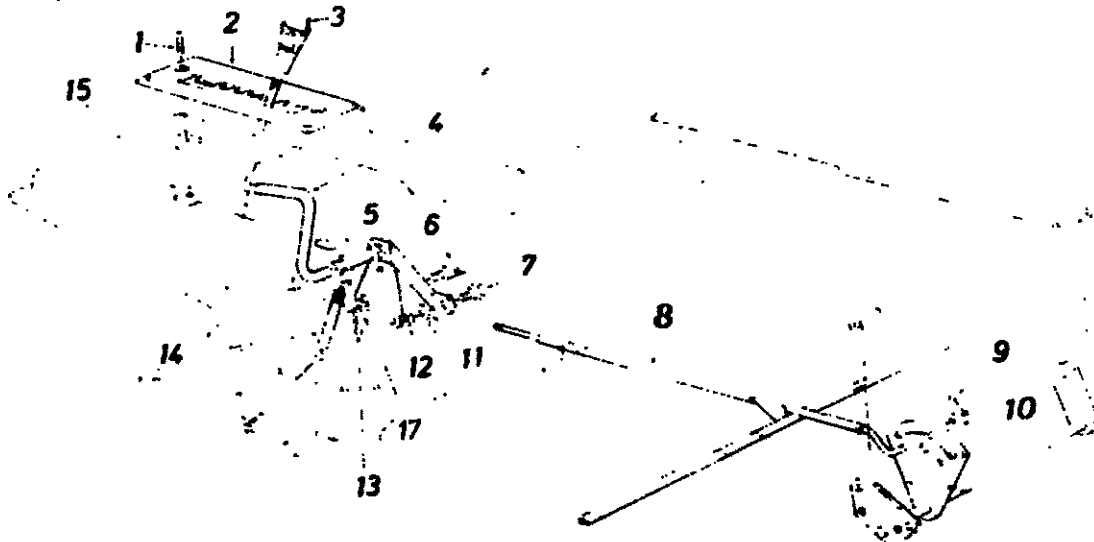
**12 H.P. 38" LAWN TRACTORS
PARTS LIST FOR MODELS TMO-33925A AND TMO-33929A (CONTINUED)**

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|---------------------------------------|----------|----------|----------|--------------------------------------|----------|
| 102 | 710-0604 | Hex Wash. Hd. Scr. 5/16-18 x .62" Lg. | | 109 | 711-0198 | Ferrule | |
| 104 | 736-0362 | Fl-Wash. .32" I.D. x 1.25" | | 110 | 710-0376 | Hex Bolt 5/16-18 x 1.0" Lg.— (Gr. 5) | |
| 105 | 16067 | Belt Guard | | 111 | 710-0195 | Hex Bolt 1/4-28 x .50" Lg. | |
| 106 | 710-0323 | Truss Mach. Scr. 5/16-18 x .75" Lg.* | | 112 | 736-0270 | Bell-Wash. .265" I.D. x .75" | |
| 107 | 15835 | Pedal Bracket | | 113 | 16437 | Shift Lever Link Ass'y. | |
| 108 | 714-0507 | Cotter Pin 3/32" Dia. x .75" | | 114 | † | Muffler | |
| | | | | 115 | 736-0140 | Fl-Wash. .385" I.D. x .62" | |

†MUFFLER CHART

| Engine | Muffler | Hardware & Related Parts |
|------------|----------|--|
| TMO-33925A | 751-0443 | 721-0208 Gasket 738-0636 Shoulder Bolts |
| TMO-33929A | 751-0302 | 712-0250 Conduit L-Nut |

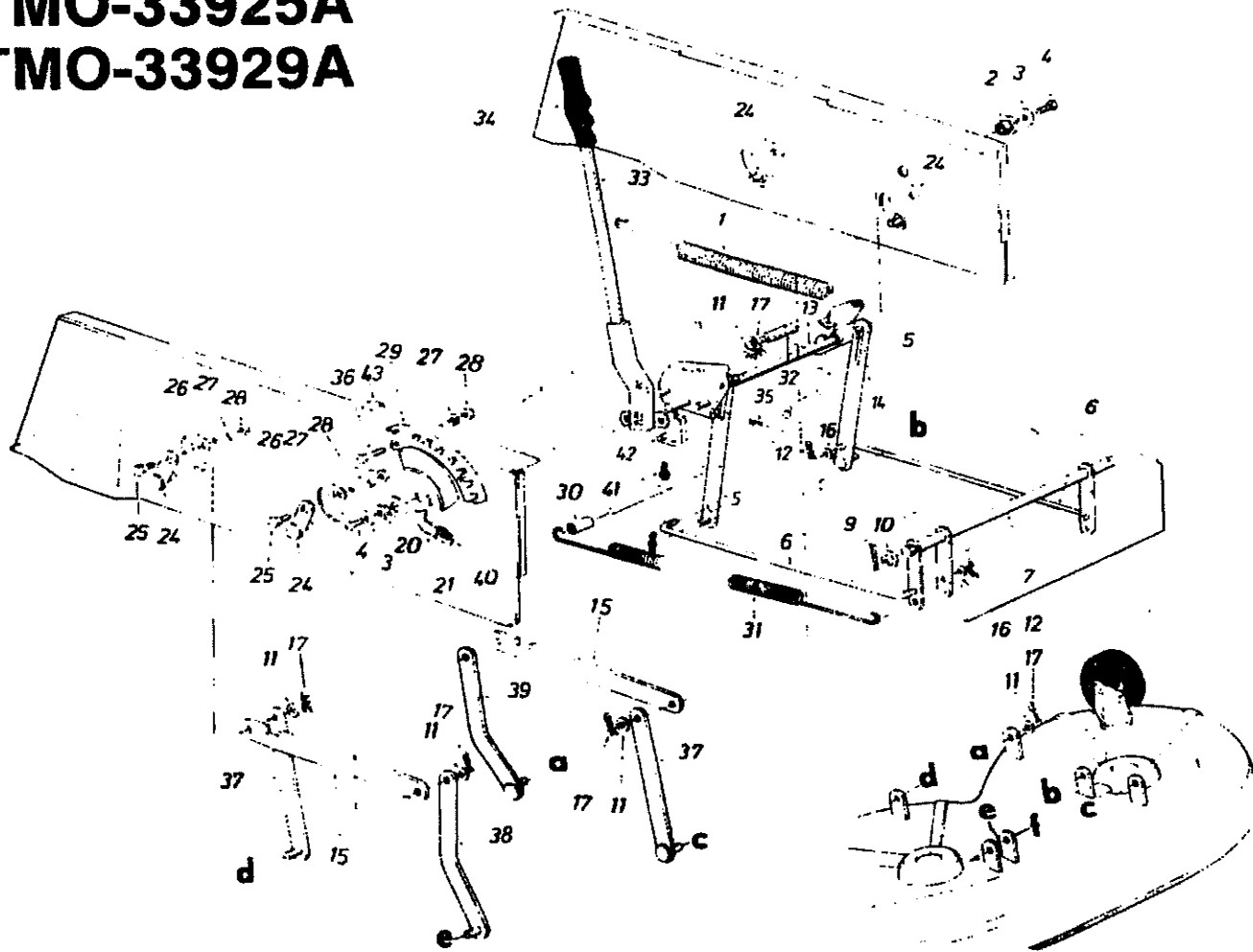
TMO-33925A TMO-33929A



**12 H.P. 38" LAWN TRACTORS
PARTS LIST FOR MODELS TMO-33925A AND TMO-33929A**

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|------------------------------------|----------|----------|----------|--------------------------------|----------|
| 1 | 710-0924 | Truss Mach. Scr. 1/4-20 x .75" Lg. | | 8 | 16355 | Speed Control Rod Ass'y. | |
| 2 | 16194 | Speed Selector Plate | | 9 | 714-0507 | Cotter Pin 3/32" Dia. x .75" * | |
| 3 | 720-0218 | Shift Knob | | 10 | 736-0226 | Fl-Wash. .469" I.D. x .88" | |
| 4 | 16192 | Speed Selector Cam Ass'y. | | 11 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 5 | 736-0192 | Flat Washer .53" I.D. x .93" | | 12 | 712-0267 | Hex Nut 5/16-18 Thd.* | |
| 6 | 711-0198 | Ferrule | | 13 | 714-0507 | Cotter Pin 3/32" Dia. x .75" * | |
| 7 | 738-0155 | Shoulder Bolt .435" Dia. x .160 | | 14 | 732-0303 | Spring .38" O.D. x 3.18" Lg. | |
| | | | | 15 | 16196 | Clamping Plate | |
| | | | | 17 | 736-0140 | Fl-Wash. .385" I.D. x .62" | |

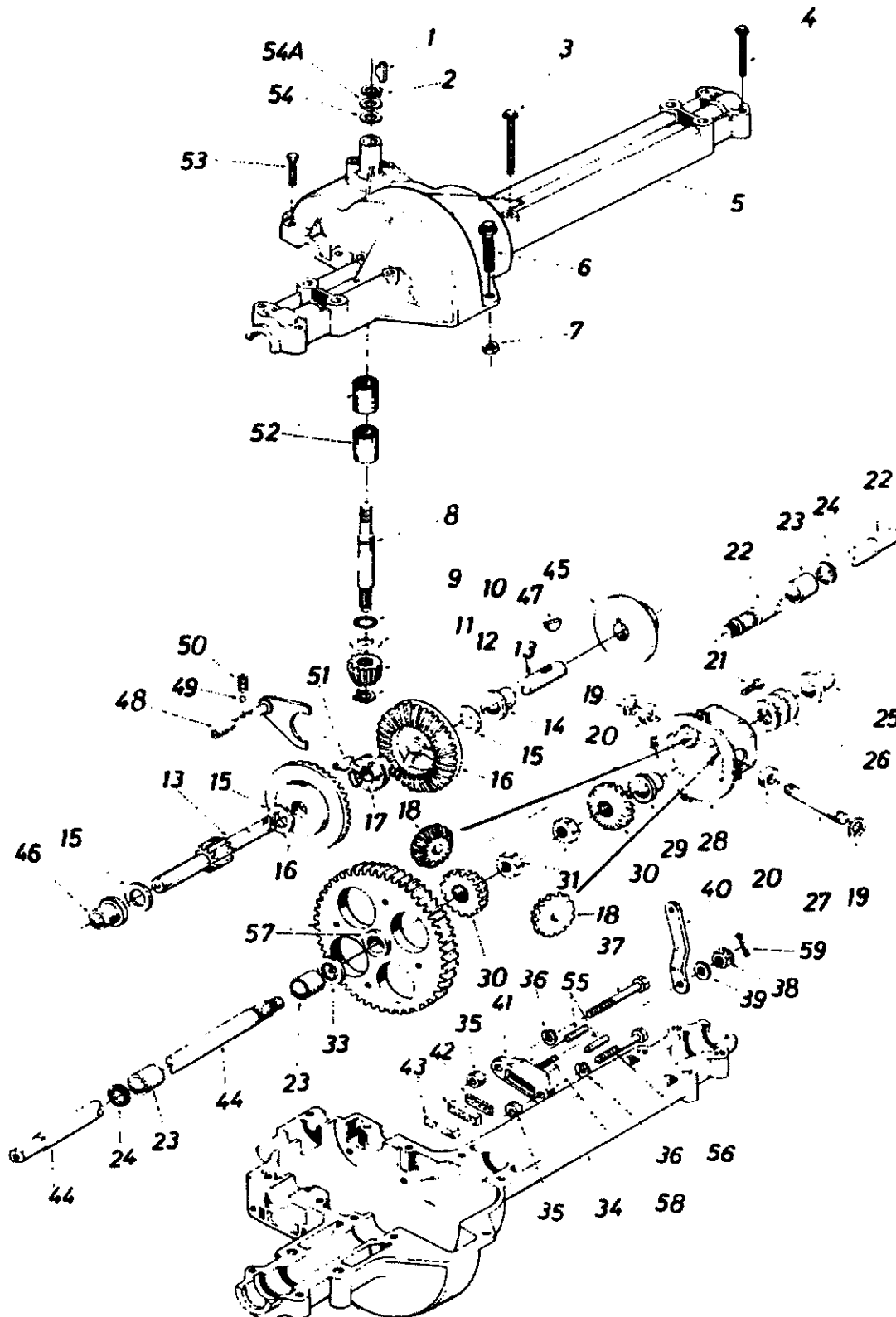
TMO-33925A TMO-33929A



12 H.P. 38" LAWN TRACTORS
PARTS LIST FOR MODELS TMO-33925A AND TMO-33929A

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|---|----------|----------|----------|-----------------------------------|----------|
| 1 | 732-0307 | Extension Spring 11" Lg. | | 26 | 736-0264 | Fl-Wash. .344" I.D. x .62" | |
| 2 | 741-0313 | Flange Bearing .634" I.D. | | 27 | 736-0119 | L-Wash. 5/16" I.D.* | |
| 3 | 736-0231 | Fl-Wash. .344" I.D. x 1.125" | | 28 | 712-0267 | Hex Nut 5/16-18 Thd.* | |
| 4 | 710-0604 | Hex Wash. Hd. 5/16-18 x .62" Lg. | | 29 | 16462 | Index Brkt. | |
| 5 | 14802 | Link Deck Lift Ass'y. | | 30 | 711-0425 | Spacer .523" I.D. x .640" | |
| 6 | 711-0790 | Stabilizer Rod | | 31 | 732-0530 | Ext. Spring 13.25" Lg. | |
| 7 | 16234 | Stabilizer Shaft Ass'y. | | 32 | 732-0573 | Ext. Spring | N |
| 8 | 710-0602 | Hex Tap Scr. 5/16-18 x 1" | | 33 | 16465 | Lift Handle Ass'y. | |
| 9 | 714-0470 | Cotter Pin 1/8" Dia. x 1 1/4"* | | 34 | 720-0157 | Grip (Lift Handle) | |
| 10 | 736-0156 | Fl-Wash. .635" I.D. x 1.12" | | 35 | 714-0145 | Intern. Cotter Pin 3/8" Dia. | |
| 11 | 736-0160 | Fl-Wash. .531" I.D. x .940" | | 36 | 710-0118 | Hex Bolt 5/16-18 x .75"* | |
| 12 | 714-0111 | Cotter Pin 3/32" Dia. | | 37 | 14804 | Link Deck Hanger Ass'y. | |
| 13 | 17154 | Lift Shaft Ass'y. | | 38 | 14800 | Link Deck Hanger Ass'y. (Dog Leg) | |
| 14 | 712-3007 | Hex Jam Nut 5/16-18 Thd. | | 39 | 15925 | Link Deck Hanger Ass'y.— L.H. | |
| 15 | 09735 | Connecting Rod | | 40 | 08540 | Knob | |
| 16 | 736-0117 | Fl-Wash. .385" I.D. x .62" | | 41 | 710-0351 | Hex AB-Tap Scr. #10 x .50" | |
| 17 | 714-0101 | Inter. Cotter Pin 1/2" Dia. | | 42 | 725-0803 | Safety Switch | |
| 20 | 748-0176 | Flange Brg. .630" I.D. | | 43 | 726-0175 | Clamp | |
| 21 | 732-0412 | Deck Lift—Down Stop | | | | | |
| 24 | 09721 | Pivot Link Ass'y. | | | | | |
| 25 | 738-0140 | Shld. Bolt .437" Dia. x .180" Lg. (5/16-18) | | | | | |

TMO-33925A TMO-33929A



SINGLE SPEED TRANSAXLE—R.H.
MODEL 717-1050

TMO-33925A

TMO-33929A

PARTS LIST FOR SINGLE SPEED TRANSAXLE RIGHT HAND 717-1050

| REF. NO. | PART NO. | DESCRIPTION | NEW PART | REF. NO. | PART NO. | DESCRIPTION | NEW PART |
|----------|----------|---|----------|----------|----------|--|----------|
| 1 | 714-0129 | #4 Hi-Pro Key 3/32 x 5/8" Dia. | | 33 | 736-0351 | FI-Wash. .75" I.D. x 1.5" O.D. | |
| 2 | 716-0115 | Snap Ring .625" Shaft | | 34 | 717-0761 | Lower Housing | |
| 3 | 710-0854 | Hex Bolt 1/4-20 x 1.75" Lg.* | | 35 | 750-0555 | Spacer .53" O.D. x 3/8" Lg. | |
| 4 | 710-0809 | Hex Bolt 1/4-20 x 1.25" Lg.* | | 36 | 736-0329 | L-Wash. 1/4" I.D.* | |
| 5 | 717-0764 | Upper Housing | | 37 | 710-0886 | Hex Bolt 1/4-20 x 1.50" Lg. (Grade 5) | |
| 6 | 710-0642 | Hex FI-Bolt 1/4-20 x .75" Lg. | | 38 | 712-0335 | Castle Nut 5/16-24 Thd.* | |
| 7 | 712-0287 | Hex Nut 1/4-20 Thd.* | | 39 | 736-0371 | FI-Wash. .34" I.D. x .875" O.D. | |
| 8 | 717-0634 | Input Shaft | | 40 | 717-0700 | Actuating Arm—R.H. | |
| 9 | 721-0178 | Square Seal 5/8" I.D. | | 41 | 717-0679 | Brake Yoke | |
| 10 | 736-0335 | Thrust Washer 5/8" I.D. x 1.25" O.D. | | 42 | 717-0682 | Puck Plate | |
| 11 | 717-0633 | Pinion Input 14T | | 43 | 717-0678 | Brake Puck | |
| 12 | 716-0108 | Retaining Ring 7/16" Ext. | | 44 | 717-1011 | Axle L.H. | |
| 13 | 717-0758 | Drive Shaft—R.H. | | 45 | 717-0677 | Brake Disc | |
| 14 | 741-0336 | Flange Brg. 5/8" I.D. x 3/4" Lg.* | | 46 | 741-0337 | Flange Bearing 5/8" I.D. x 15/16" Lg. | |
| 15 | ** | FI-Wash. (See Below) | | 47 | 714-0161 | Woodruff Key 3/16 x 5/8 HT | |
| 16 | 717-0757 | Bevel Gear 42T | | 48 | 717-0754 | Shift Fork Ass'y. | |
| 17 | 717-0667 | Clutch Collar | | 49 | 741-0862 | Ball Detent .250" Dia. | |
| 18 | 717-1020 | Miter Gear 15T | | 50 | 732-0863 | Spring Detent | |
| 19 | 716-0142 | Snap Ring | | 51 | 714-0169 | #9 Hi-Pro Key 3/16" x 3/4" Dia. HT | |
| 20 | 717-0690 | Thrust Bearing 1/2" I.D. x 1.0" O.D. | | 52 | 741-0335 | Needle Brg. 5/8" I.D. x 1/2" Lg. | |
| 21 | 710-0862 | Pan Head Scr. 1/4-20 x .50" Lg. w/Patch | | 53 | 710-0855 | Hex Bolt 1/4-20 x 1.00" Lg. | |
| 22 | 717-1012 | Axle R.H. | | 54 | 736-0336 | FI-Wash. 5/8" I.D. x .030 | |
| 23 | 741-0340 | Sleeve Bearing 3/4" I.D. x 1.0" Lg. | | 54A | 736-0337 | FI-Wash. 5/8" I.D. x .040 | |
| 24 | 721-0179 | Oil Seal 3/4" I.D. | | 54B | 736-0349 | FI-Wash. 5/8" I.D. x .020 | |
| 25 | 741-0339 | Flange Bearing 3/4" I.D. x 15/16" Lg. | | 55 | 741-0343 | Actuating Pin 5/16" Dia. | |
| 26 | 736-0188 | FI-Wash. .760" I.D. x 1.49" O.D. | | 56 | 710-0886 | Hex Bolt 1/4-20 x 1.50" Lg. (Grade 5) | |
| 27 | 717-0673 | Cross Shaft | | 57 | 717-1059 | Differential Gear 72T Ass'y. w/Bearing | |
| 28 | 717-0777 | Differential Housing Ass'y. | | 58 | 717-0796 | Sq. Hd. Bolt 5/16-24 Thd. | |
| 29 | — | Comes with Ref. 28 | | 59 | 1544-013 | Cotter Pin 3/32" Dia. x .50" Lg. | |
| 30 | 717-1019 | Miter Gear | | — | 737-0148 | Grease—Shell (10 oz.) | |
| 31 | 712-0200 | Hex Ins. L-Nut 1/2-20 Thd. | | | | | |

**Ref. No. 15 736-0349 FI-Wash. 5/8" I.D. x 1.0" O.D. x .020 Thk.
736-0336 FI-Wash. 5/8" I.D. x 1.0" O.D. x .030 Thk.
736-0337 FI-Wash. 5/8" I.D. x 1.0" O.D. x .040 Thk.

At the time of manufacture of lawn tractor, the optional accessories listed below are available.

| Description | Stock No. |
|----------------------|-----------|
| 36" Snow Thrower | 89-33848R |
| 42" Snow Blade | 89-33879R |
| Grass Collector | 89-35108R |
| 38" Lawn Sweeper | 89-37952R |
| 30 Lb. Wheel Weights | 89-33862R |
| Gang Reel | 89-27R |

SERVICE NATIONWIDE

Montgomery Ward

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The merchandise you have purchased from us has been carefully engineered and manufactured under Montgomery Ward's rigid quality standards and should give you satisfactory and dependable operation. However, like all mechanical merchandise, it may occasionally require adjustment, replacement parts or maintenance.

Toll Free Parts Sales Center

When you need a replacement part or accessory for a major appliance, home electronic item or lawn and garden product that is not under warranty or covered by a service contract or if you need the location of the nearest service facility, call our Parts Sales Center toll free 1-800-323-1965.

Provide the following:

1. Model, serial number and all of the other data shown on the model plate.
2. Also give the part number or numbers as shown in the parts list that came with the product.

Replacement Parts will be made available at current prices. If requested, prices will be quoted in advance when not listed

If you order parts by mail, you will pay the transportation charges from the shipping point.

UNIT MODEL NO. _____

UNIT SERIAL NO. _____

ENGINE MODEL NO. _____

TYPE NO. _____

CODE NO. _____